

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Munir Testamania Examiner #: 7.43.7 Date: 7/10/01  
 Art Unit: 2162 Phone Number 305-1393 Serial Number: 09303424  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: SIM Based Authentication & Payment Method  
 Inventors (please provide full names): JUSSE LEMMA & JAN-ERIK CLERF

Earliest Priority Filing Date: 05/08/99

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

- 1) public internet service provider (ISP)
- 2) Network
- 3) bill
- 4) access roaming
- 5) Wireless network
- 6) Packet data network
- 7) transmitting the authentication

- a method & system for payment by a first network on behalf of a user to a second network for connectivity of the user through the second network to a packet data network such as an IP network. The invention utilizes a series of communications between the user, a security server of the network which provides billing for communication.

07-10-01 A10:35 IN

## STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>E. S. S. S.</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>306-0254</u>	AA Sequence (#) _____	Dialog <input checked="" type="checkbox"/>
Searcher Location: <u>2162 (2100)</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>8/1/01</u>	Bibliographic <input checked="" type="checkbox"/>	Dr. Link _____
Date Completed: <u>8/1/01</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>100</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet <input checked="" type="checkbox"/>
Online Time: <u>240</u>	Other _____	Other (specify) <u>100</u>

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COMMERCIAL DATABASE SEARCH FOR 09/303424

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*		*
*	Prepared for: Mussie Tesfamarian, 2162	*
*		*
*	By : Ellen Lytton, EIC2600 (EIC2100) 306-0254	*
*		*
*	Date : August 1, 2001	*
*		*

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Mussie:

Attached is the search that you requested on the two networks with the authorization of payment. Please let me know if you would like to refocus or modify the search in any way.

Ellen

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200142  
(c) 2001 Derwent Info Ltd  
File 347:JAPIO OCT 1976-2001/Mar(UPDATED 010705)  
(c) 2001 JPO & JAPIO  
File 344:CHINESE PATENTS ABS APR 1985-2001/Jun  
(c) 2001 EUROPEAN PATENT OFFICE

Set	Items	Description
S1	250165	NETWORK?(NOT 5N)(IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?)(3N)(SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	12511	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR CUS- TOMER? ? OR SHOPPER?)(5W)S1
S3	4179	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?)(5W)S1
S4	7603	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND)(3W)NETWORK- ?(NOT 5N)(IP OR INTERNET)
S5	18930	(PACKET()DATA OR IP)()NETWORK? OR INTERNET? OR (WORLDWIDE - OR WORLD()WIDE)(2W)WEB OR EXTRANET?
S6	1372328	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV?
S7	6497	S6(5N)(PAYMENT? OR PAYING OR CHARGE OR CHARGES OR BILLING - OR (BILL OR BILLS)(NOT 5N)(HOUSE OR CLINTON OR SENATE OR GATES OR HR))
S8	4	S2 AND S3 AND S5 AND S7
S9	4	S4 AND S5 AND S7
S10	1	S9 NOT S8
S11	4	S3 AND S5 AND S7
S12	0	S11 NOT (S8 OR S9)
S13	7	S2 AND S3 AND S7
S14	3	S13 NOT (S8 OR S9)
S15	18930	(PACKET()DATA OR IP OR ISP)()NETWORK? OR INTERNET? OR (WOR- LDWIDE OR WORLD()WIDE)(2W)WEB OR EXTRANET?
S16	1131	SIM OR SUBSCRIBER()IDENTIFICATION()MODULE? ? OR SIMS
S17	5	S16 AND S7
S18	3	S17 NOT (S8 OR S9 OR S14)
S19	7058	(MOBILE OR WIRELESS OR CELLULAR)(2W)(USER? ? OR NETWORK? ?)
S20	1	S19 AND (S3 OR S4) AND S7
S21	1	S20 NOT (S8 OR S9 OR S14 OR S18)
S22	16175	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR CUS- TOMER? ? OR SHOPPER? OR SUBSCRIBER? OR CALLER? OR CALLING() (P- ARTY OR PARTIES)) (5W)(S1 OR PSTN OR POTS)
S23	1412521	SETTLE? OR SETTLING OR AUTHORI? OR ALLOW? OR VALIDAT? OR V- ERIF? OR PERMIT? OR AUTHENTICAT? OR ACCEPT? OR APPROV?
S24	10084	S23(10N)(PAYMENT? OR PAYING OR CHARGE OR CHARGES OR BILLING OR (BILL OR BILLS)(NOT 5N)(HOUSE OR CLINTON OR SENATE OR GAT- ES OR HR))
S25	22218	(PACKET OR IP)(2W)(NETWORK? OR OPERATOR?) OR INTERNET? OR - (WORLDWIDE OR WORLD()WIDE)(2W)WEB OR EXTRANET?
S26	6	S22 AND (S3 OR S4) AND S24 AND S25
S27	1	S26 NOT (S8 OR S14 OR S18 OR S21)
S28	9	(S3 OR S4) AND S24 AND S25
S29	3	S28 NOT (S26 OR S8 OR S14 OR S18 OR S21)

8/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013525538 \*\*Image available\*\*

WPI Acc No: 2001-009744/200102

XRPX Acc No: N01-007366

**SIM based authentication as payment method in public ISP access networks and for obtaining connection to packet data network involves granting user authentication via second network to packet data network**

Patent Assignee: NOKIA CORP (OYNO ); NOKIA MOBILE PHONES LTD (OYNO )

Inventor: EKBERG J; LEMILAINEN J

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1052825	A1	20001115	EP 2000303712	A	20000503	200102 B
JP 2001005782	A	20010112	JP 2000133828	A	20000502	200107

Priority Applications (No Type Date): US 99303424 A 19990503

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1052825	A1	E	10	H04L-029/06	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2001005782	A		8	G06F-015/00	
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Abstract (Basic): EP 1052825 A1

NOVELTY - The method obtains connection to a **packet data network** using two networks, first and **second** . It transmits to **first network** authentication information from the **second network** granting the user authentication after his or her request for connection to the packet network (14). It transmits this information to the user informing him or her that authentication to obtain connection has been granted.

DETAILED DESCRIPTION - An independent claim describes a system comprising a user.

USE - As SIM based **authentication** as a **payment** method in public ISP access networks and obtaining a connection to a **packet data network** .

DESCRIPTION OF DRAWING(S) - The drawing shows the method of purchasing service units by a **user** with a **first network** to provide connection to a **packet data network** via a **second network** .

the **packet data network** (14)

pp; 10 DwgNo 1/2

Title Terms: BASED; AUTHENTICITY; PAY; METHOD; PUBLIC; ACCESS; NETWORK; OBTAIN; CONNECT; PACKET; DATA; NETWORK; USER; AUTHENTICITY; SECOND; NETWORK; PACKET; DATA; NETWORK

Derwent Class: W01; W02

International Patent Class (Main): G06F-015/00; H04L-029/06

International Patent Class (Additional): H04L-009/32; H04L-012/66

File Segment: EPI

8/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

013033952 \*\*Image available\*\*

WPI Acc No: 2000-205803/200018

Related WPI Acc No: 2000-195806; 2000-195810; 2000-195811; 2000-205801

XRPX Acc No: N00-153101

**Private call connection method between calling and called party involves transmitting first set of packets to called party even though called party has not received source address**

Patent Assignee: AT & T CORP (AMTT )



Inventor: BELLOVIN S M; KANEK C R; MARSHALL W T; MISHRA P; NORTZ D M;  
RAMAKRISHNAN K K

Number of Countries: 021 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200008824	A1	20000217	WO 99US17591	A	19990804	200018 B

Priority Applications (No Type Date): US 98104878 A 19981020; US 9895288 A 19980804

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200008824	A1	E 149	H04L-029/12	
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Designated States (National): CA JP MX

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

Abstract (Basic): WO 200008824 A1

NOVELTY - The source address for first set of packets associated with call is translated after connection of call between a **first network** associated with calling party and **second network** associated with called party. The first set of packets is transmitted to called party even though called party has not received the source address that indicates one of group of logical and geographical identity of calling party.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer readable medium storing instructions for privately connecting a call between called party and calling party.

USE - For connecting private call between calling and called party in multimedia communication occurring between terminals, network equipment and services on LAN, WAN of **internet** protocol network. In communication system having combination of different types of networks such as data network for packet switching, telephone network.

ADVANTAGE - Allows service provider to provide various types of services involving different types of networks and to exploit the capabilities of the end terminals. **Allows** pricing and **billing** of communication services to differ based on differences in service quality for various calls. Protects against theft of service and minimizes cost and complexity associated with providing reliable service. Eliminates requirement of high availability network services that maintain the state of each individual call.

pp; 149 DwgNo 1/32

Title Terms: PRIVATE; CALL; CONNECT; METHOD; CALL; CALL; PARTY; TRANSMIT; FIRST; SET; PACKET; CALL; PARTY; EVEN; CALL; PARTY; RECEIVE; SOURCE; ADDRESS

Derwent Class: W01

International Patent Class (Main): H04L-029/12

International Patent Class (Additional): H04L-029/06; H04M-007/00;

H04Q-003/72

File Segment: EPI

8/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012956727 \*\*Image available\*\*

WPI Acc No: 2000-128577/200012

XRPX Acc No: N00-096943

**Automatic calculation of charges for communication and data networks, especially Internet - debiting charges automatically using credit card or prepaid card, while identifying user and checking access authorisation from charge information**

Patent Assignee: SIEMENS AG (SIEI )

Inventor: DITTMANN W

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Priority Applications (No Type Date): DE 1035626 A 19980806

Cited Patents: No-SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 978963 A2 G 7 H04L-012/14

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 978963 A

A connection is made from the client to a credit card service (CCS), which is initiated either by the customer by selecting a card service or by an automatic connection from the base network. Charge information is transferred to the service, and the information identifies the customer and is used to check the charges.

After successful checking, a further connection is set up. The identification data are placed in a list. The checking function also carries out further data processing to set up a connection from the **user** to a **second network**. The lists are used to pass the data to the network entrance point, the point of presence (POP). This creates the original entrance point to the **Internet**. and is usually supplied by the **Internet** service providers. When the data has been passed to the POP function, the credit card service causes a user channel to be switched to the POP function. The user channel is then taken over by the POP function.

USE - For use with communication and data networks, especially the **Internet**.

ADVANTAGE - Increases range of use of pre-paid card and credit card.

Dwg.1/1

Title Terms: AUTOMATIC; CALCULATE; CHARGE; COMMUNICATE; DATA; NETWORK;  
CHARGE; AUTOMATIC; CREDIT; CARD; PREPAYMENT; CARD; IDENTIFY; USER; CHECK;  
ACCESS; AUTHORISE; CHARGE; INFORMATION

Derwent Class: T01; T05; W01

International Patent Class (Main): H04L-012/14

File Segment: EPI

8/5/4 (Item 1 from file: 347)

DIALOG(R) File 347:JAPIO

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06778307 \*\*Image available\*\*

METHOD AND SYSTEM FOR **AUTHENTICATING** SIM BASE AS **PAYING** METHOD IN  
PUBLIC ISP ACCESS NETWORK

PUB. NO.: 2001-005782 [JP 2001005782 A]

PUBLISHED: January 12, 2001 (20010112)

INVENTOR(s): LEMILAINEN JUSSI

EKBERG JAN-ERIK

APPLICANT(s): NOKIA MOBILE PHONES LTD

APPL. NO.: 2000-133828 [JP 2000133828]

FILED: May 02, 2000 (20000502)

PRIORITY: 303424 [US 99303424], US (United States of America), May 03,  
1999 (19990503)

INTL CLASS: G06F-015/00; H04L-009/32; H04L-012/66

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable a user to connect with a **packet data network** at a roaming destination even if a charging agreement does not exist between the **home network** of the **user** and a **roaming destination network**.

SOLUTION: A user request requesting a user 12 to accept connection with a **packet data network** 14 through a **2nd network** 16 is inputted to a **1st network** 10, the user request and **payment approval** to the **2nd network** by the **1st network** about the use of the **packet data**

.. network by the user are sent from the 1st network to the 2nd network , authentication information with which the user is approved to obtain the connection with the packet data network through the 2nd network is sent from the 2nd network to the 1st network , and authentication information with which the user is notified that authentication for obtaining the connection with the packet data network has been obtained is sent from the 1st network to the user.

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10/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011646441 \*\*Image available\*\*  
WPI Acc No: 1998-063349/199806  
XRPX Acc No: N98-049801

Initiating secure data communication between two computers for electronic  
payment transaction - formatting transaction information at payment  
gateway system and transmitting transaction to particular host legacy  
system for returning level of credit authorisation to gateway

Patent Assignee: VERIFONE INC (VERI-N)

Inventor: ROWNEY K T B

Number of Countries: 076 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9749053	A2	19971224	WO 97US10520	A	19970617	199806 B
AU 9733994	A	19980107	AU 9733994	A	19970617	199820
US 5987132	A	19991116	US 96664835	A	19960617	200001

Priority Applications (No Type Date): US 96664835 A 19960617

Cited Patents: -SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9749053	A2	E	193	G06F-017/60	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US  
UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9733994	A			G06F-017/60	Based on patent WO 9749053
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US 5987132	A			H04L-009/32	
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Abstract (Basic): WO 9749053 A

The method for initiating secure communication between two  
computers connected to a network for receiving and transmitting  
information involves establishing a communication link between the **two**  
computers via the **network** . An encryption process and a decryption  
process are identified by the two computers.

Encrypted payment information, including a payment instrument, is  
transmitted from the first computer to the second computer using the  
communication link. The encrypted payment information is received at  
the second computer using the communication link, and the payment  
information is decrypted. A credit risk is evaluated based on the  
payment information including the presence or absence of a certificate.  
The payment information is used for further payment processing. The  
**Internet** is used for transmitting information between the two  
computers.

ADVANTAGE - Provides secure data transmission over public  
communication system such as **Internet** . Uses flexible extendible  
architecture to allow service provider to determine whether to **accept**  
or reject **payment** .

Dwg.15B/66

Title Terms: INITIATE; SECURE; DATA; COMMUNICATE; TWO; COMPUTER; ELECTRONIC  
; PAY; TRANSACTION; FORMAT; TRANSACTION; INFORMATION; PAY; GATEWAY;  
SYSTEM; TRANSMIT; TRANSACTION; HOST; SYSTEM; RETURN; LEVEL; CREDIT;  
AUTHORISE; GATEWAY

Derwent Class: T05; W01

International Patent Class (Main): G06F-017/60; H04L-009/32

International Patent Class (Additional): G07F-019/00; H04L-009/00

File Segment: EPI

14/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010043108 \*\*Image available\*\*

WPI Acc No: 1994-310819/199438

XRPX Acc No: N94-244481

**ISDN data user billing system for connection to public switched telephone network - extracting caller billing information using network access device and detecting called party phone number from data packets**

Patent Assignee: BELL COMMUNICATIONS RES (BELL-N)

Inventor: NICI R J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5351286	A	19940927	US 9321383	A	19930223	199438 B
			US 9387441	A	19930706	

Priority Applications (No Type Date): US 9387441 A 19930706; US 9321383 A 19930223

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5351286	A	13	H04M-011/00	CIP of application US 9321383

Abstract (Basic): US 5351286 A

The method for connecting and billing a **first user** on a packet **network** being capable of transmitting packet communications to a **second user** on a voice-band **network**. The voice-band network allocates the costs of a voice-band call by decoding a data packet from a packet communication initiated by the first user to determine the first user's billing identification.

A voice-band call is established to the **second user** over the voice-band **network**. The billing identification is transmitted to the voice-band network for use by the voice-band network to allocate the cost of the voice band call to the first user's billing account. Preferably, the first user's billing identification is his telephone number.

USE/ADVANTAGE - Does not require modem pool at each end office. Screens and connects users only if **paying** subscriber is **authorised** to do so.

Dwg.7,8/8

Title Terms: ISDN; DATA; USER; BILL; SYSTEM; CONNECT; PUBLIC; SWITCH; TELEPHONE; NETWORK; EXTRACT; CALL; BILL; INFORMATION; NETWORK; ACCESS; DEVICE; DETECT; CALL; PARTY; TELEPHONE; NUMBER; DATA; PACKET

Derwent Class: W01

International Patent Class (Main): H04M-011/00

International Patent Class (Additional): H04M-015/00; H04M-017/00

File Segment: EPI

14/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009652712

WPI Acc No: 1993-346262/199344

XRPX Acc No: N93-267450

**Page printing management method for structured document - using royalty information file included in document and automatically accessed whenever user attempts copying operation**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: HARTRICK T V; SABIA N J; STEVENS J N

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 567800	A1	19931103	EP 93105502	A	19930402	199344 B
US 5532920	A	19960702	US 92875919	A	19920429	199632

Priority Applications (No Type Date): US 92875919 A 19920429; US 94365980 A 19941228

Cited Patents: EP 464306; US 4685055

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 567800	A1	E	28	G06F-001/00	
US 5532920	A		30	G06F-003/14	Cont of application US 92875919

Abstract (Basic): EP 567800 A

The method involves inclusion of royalty payment information either within the structure document text of a book or in a royalty payment information file which accompanies the book. To read the book from a storage disk, the user applies a special soft copy book reading program at his workstation. If the user enters a command to copy the book onto a writable storage medium such as a magnetic disk or to print a hard copy of the book or to transmit the book over a modem, a royalty payment program intercepts the command and suspends the copying operations.

The royalty payment program presents the user with a display of the royalty payment information stored in the book text or in an accompanying file. The user must select the option of paying a royalty to the publisher before the program permits a copy of the book to be made.

ADVANTAGE - Ensures that payment of royalties cannot be avoided.

Dwg.1/11

Title Terms: PAGE; PRINT; MANAGEMENT; METHOD; STRUCTURE; DOCUMENT; INFORMATION; FILE; DOCUMENT; AUTOMATIC; ACCESS; USER; ATTEMPT; COPY; OPERATE

Derwent Class: P85; T01

International Patent Class (Main): G06F-001/00; G06F-003/14

International Patent Class (Additional): G06F-017/21; G09C-003/00;

G09C-005/00

File Segment: EPI; EngPI

**14/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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004346436

WPI Acc No: 1985-173314/198529

XRPX Acc No: N85-130270

**IR detector in cryostat - has IR diodes, MOS transistors, shift registers and single signal line leaving cryostat**

Patent Assignee: THOMSON CSF (CSFC )

Inventor: ARQUES M; MUNIER B

Number of Countries: 007 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2554999	A	19850517	FR 8318125	A	19831115	198529 B
EP 148654	A	19850717	EP 84402302	A	19841113	198529
JP 60167578	A	19850830	JP 84239292	A	19841113	198541
US 4609824	A	19860902	US 84670409	A	19841109	198638
EP 148654	B	19880720				198829
DE 3472876	G	19880825				198835

Priority Applications (No Type Date): FR 8318125 A 19831115

Cited Patents: 2.Jnl.Ref; GB 2079093

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2554999	A		15		
EP 148654	A	F			

Designated States (Regional): DE GB NL SE

EP 148654 B F

Designated States (Regional): DE GB NL SE

Abstract (Basic): FR 2554999 A

The infra red detector comprises an M by N array of infra red diodes (D11,D12) connected by first MOS transistors (T1,11 etc.) to row lines (S1,S2 etc.). A first shift register addresses column lines (X1,X2 etc.) connected to second MOS transistors (T2,11 etc.) whose gates are addressed by a second shift register, so that individual detectors are connected in turn to each row line and its associated capacitor (C1,C2 etc.). The second shift register also controls third MOS transistors (T31,T32) so that the outputs of each detector appear sequentially on the output line (S).

The appts. is entirely within a cryostat. Only one output line, with high signal and low impedance leaves the cryostat.

USE - Cadmium, mercury, telluride detector at 77 degrees Kelvin.  
2/5

Title Terms: INFRARED; DETECT; CRYOSTAT; INFRARED; DIODE; MOS; TRANSISTOR; SHIFT; REGISTER; SINGLE; SIGNAL; LINE; LEAVE; CRYOSTAT

Derwent Class: U13; W04

International Patent Class (Additional): G01J-001/42; H01J-031/49;  
H01J-040/14; H01L-027/14; H04N-003/14; H04N-005/33

File Segment: EPI

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18/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013408687 \*\*Image available\*\*

WPI Acc No: 2000-580625/200055

XRFX Acc No: N00-429772

Secure method of payment by computer chip credit card using a mobile phone

Patent Assignee: SAGEM SA (SAGE )

Inventor: SARRADIN M J; SARRADIN J L

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1014317	A1	20000628	EP 99402731	A	19991103	200055 B
FR 2787273	A1	20000616	FR 9815778	A	19981214	200055

Priority Applications (No Type Date): FR 9815778 A 19981214

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1014317	A1	F 12	G07F-007/10	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

FR 2787273	A1	H04M-011/00
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Abstract (Basic): EP 1014317 A1

NOVELTY - The payment method via mobile phone includes the following stages: - define (47) the characteristics (48,49) of a commercial transaction between a vender and a user of a mobile telephone; - provide the user of the mobile telephone with an interface (40,41) for reading a credit card (16); - transmit to a central payment point (3) via the venders terminal (13), a payment request (51), the users mobile telephone number and the characteristics of the transaction; - the central payment point calls (53) the users mobile phone; - when the connection is established, the payment point initiates execution (6) via the mobile telephone of a payment session; - during the payment session, the mobile telephone actuates a security payment procedure (62) with the users credit card inserted in the mobile telephones credit card reader.

USE - For payment of goods and services by mobile phone.

ADVANTAGE - Designed to allow a credit card user payment access via a mobile phone.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic of a payment by terminal, or mobile phone

vender payment terminal (1)

credit card (2)

central payment point (3)

venders computer terminal (13)

mobile phone (14)

SIM card (15)

computer chip card (16)

mobile phone operator (18)

pp; 12 DwgNo 1/4

Title Terms: SECURE; METHOD; PAY; COMPUTER; CHIP; CREDIT; CARD; MOBILE; TELEPHONE

Derwent Class: T01; T04; T05

International Patent Class (Main): G07F-007/10; H04M-011/00

International Patent Class (Additional): G07F-007/08

File Segment: EPI

18/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012734332 \*\*Image available\*\*

WPI Acc No: 1999-540449/199945

XRFX Acc No: N99-400592



**. Method for utilizing several overlapping mobile networks and making mobile phone connections**

Patent Assignee: TELEFONAKTIEBOLAGET ERICSSON L M (TELF )

Inventor: JONSSON B; SWERUP J; JONSSON B E R; SWERUP J I

Number of Countries: 084 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9943165	A1	19990826	WO 99SE233	A	19990219	199945 B
AU 9932834	A	19990906	AU 9932834	A	19990219	200003
EP 1059007	A1	20001213	EP 99934390	A	19990219	200066
			WO 99SE233	A	19990219	
US 6181936	B1	20010130	US 9828268	A	19980223	200108

Priority Applications (No Type Date): US 9828268 A 19980223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9943165	A1	E	20	H04Q-003/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9932834	A			H04Q-003/00	Based on patent WO 9943165
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EP 1059007	A1	E		H04Q-003/00	Based on patent WO 9943165
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Designated States (Regional): DE FR GB

US 6181936	B1			H04Q-007/22	
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Abstract (Basic): WO 9943165 A1

NOVELTY - The method **allows charges** to be invoked for only one mobile connection in a communication between a calling party's fixed telephone (B) and a called party's mobile phone (A), while the called party's mobile phone is visiting in a network different (C2) from the ordinary network as defined by the mobile phone's **SIM** card.

USE - For providing a method and a system for accessing mobile networks in the mobile telecommunications market.

ADVANTAGE - Selection of a mobile network can be made to achieve the lowest cost for mobile communications. The possibility of selecting a mobile network can extend the range for mobile operation in those situations where the available mobile networks only partly overlap with one another. An operator of a national mobile network can extend its services into regions covered by other operators. Thus the system can be used to Piggy Back on existing networks so that an operator can introduce services in new areas without needing massive investments in new infrastructure, or having to negotiate about scarce frequency resources.

DESCRIPTION OF DRAWING(S) - The drawing shows a conventional problem in which double mobile phone fees can be invoked for an incoming call to a mobile user.

the calling party's fixed telephone (B)

the called party's mobile phone (A)

the network different from the ordinary network (C2)

pp; 20 DwgNo 1/3

Title Terms: METHOD; OVERLAP; MOBILE; NETWORK; MOBILE; TELEPHONE; CONNECT

Derwent Class: W01; W02

International Patent Class (Main): H04Q-003/00; H04Q-007/22

International Patent Class (Additional): H04Q-007/38

File Segment: EPI

18/5/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011168126

WPI Acc No: 1997-146051/199713

XRPX Acc No: N97-120753

**Mobile telephone with additional chip card reader - manages chip cards of standard format and is suitable to receive and manage prepaid chip cards storing available credit information for telephone**

Patent Assignee: TELECOM ITAL MOBILE SPA (TELE-N)

Inventor: SENTINELLI M

Number of Countries: 073 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9705729	A1	19970213	WO 96IT151	A	19960724	199713	B
AU 9666678	A	19970226	AU 9666678	A	19960724	199725	
EP 840973	A1	19980513	EP 96926562	A	19960724	199823	
			WO 96IT151	A	19960724		
NO 9800341	A	19980326	WO 96IT151	A	19960724	199823	
			NO 98341	A	19980126		
CZ 9800233	A3	19980715	WO 96IT151	A	19960724	199835	
			CZ 98233	A	19960724		
IT 1277879	B	19971112	IT 95RM521	A	19950727	199846	
NZ 315079	A	19990128	NZ 315079	A	19960724	199910	
			WO 96IT151	A	19960724		
HU 9900175	A2	19990428	WO 96IT151	A	19960724	199924	
			HU 99175	A	19960724		
SK 9800101	A3	19990413	WO 96IT151	A	19960724	199924	
			SK 98101	A	19960724		
JP 11510656	W	19990914	WO 96IT151	A	19960724	199948	
			JP 97507434	A	19960724		
AU 711065	B	19991007	AU 9666678	A	19960724	199954	
BR 9609942	A	19991221	BR 969942	A	19960724	200017	
			WO 96IT151	A	19960724		
MX 9800728	A1	19981101	MX 98728	A	19980126	200022	
KR 99035832	A	19990525	WO 96IT151	A	19960724	200032	
			KR 98700492	A	19980122		
US 6205327	B1	20010320	WO 96IT151	A	19960724	200118	
			US 98444	A	19980126		
EP 840973	B1	20010404	EP 96926562	A	19960724	200120	
			WO 96IT151	A	19960724		
DE 69612384	E	20010510	DE 612384	A	19960724	200134	
			EP 96926562	A	19960724		
			WO 96IT151	A	19960724		

Priority Applications (No Type Date): IT 95RM521 A 19950727

Cited Patents: 1.Jnl.Ref; GB 2267794; GB 2269512; JP 1008492; WO 9502949

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9705729 A1 E 11 H04M-001/02

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CU CZ

DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG

MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE

LS LU MC MW NL OA PT SD SE SZ UG

AU 9666678 A H04M-001/02 Based on patent WO 9705729

EP 840973 A1 E H04M-001/02 Based on patent WO 9705729

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC NL PT SE SI

NO 9800341 A H04M-000/00

CZ 9800233 A3 H04M-001/02 Based on patent WO 9705729

IT 1277879 B H04M-000/00

NZ 315079 A H04M-001/02 Based on patent WO 9705729

HU 9900175 A2 H04M-001/02 Based on patent WO 9705729

SK 9800101 A3 H04M-001/02

JP 11510656 W 10 H04M-001/02 Based on patent WO 9705729

AU 711065 B H04M-001/02 Previous Publ. patent AU 9666678

Based on patent WO 9705729

BR 9609942 A H04M-001/02 Based on patent WO 9705729

MX 9800728 A1 H04M-001/02

KR 99035832 A H04M-001/02 Based on patent WO 9705729

US 6205327 B1 H04Q-007/20 Based on patent WO 9705729

EP 840973 B1 E H04M-001/02 Based on patent WO 9705729

• Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC NL PT SE SI

DE 69612384 E H04M-001/02 Based on patent EP 840973  
Based on patent WO 9705729

Abstract (Basic): WO 9705729 A

The radio mobile terminal is provided with a chip card reader in addition to the conventional chip card reader. Both six and eight contact cards can be used. The operation of the mobile unit is dependant upon whether the two readers both have cards inserted and/or the additional reader has a card with a **SIM** value in it. Normally the main reader provides the **SIM** data, but if the second reader has a prepaid chip card it may also hold the **SIM** data which is used in preference to the first reader.

When used the prepaid card allows the user to interrogate the remaining value and this is also displayed during a call. The card can be exchanged during a call or have its value increased.

USE/ADVANTAGE - Provides second chip card reader permitting increase in functionality of mobile unit. **Permits** use of prepaid card for **paying** for mobile telephone services. Consistent with existing construction technologies.

Dwg.0/0

Title Terms: MOBILE; TELEPHONE; ADD; CHIP; CARD; READ; MANAGE; CHIP; CARD; STANDARD; FORMAT; SUIT; RECEIVE; MANAGE; PREPAYMENT; CHIP; CARD; STORAGE; AVAILABLE; CREDIT; INFORMATION; TELEPHONE

Derwent Class: W01

International Patent Class (Main): H04M-000/00; H04M-001/02; H04Q-007/20

International Patent Class (Additional): H04M-001/21; H04M-015/00;

H04M-017/00; H04M-017/02; H04Q-007/32

File Segment: EPI

• 21/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

011636102 \*\*Image available\*\*  
WPI Acc No: 1998-053010/199806  
XRPX Acc No: N98-041923

**Program-controlled exchange based cellular communication system -  
integrates both wired and wireless exchanges, where wireless exchange has  
all function of original program-controlled exchange, as well as several  
additional functions**

Patent Assignee: HUAWEI TECHNOLOGY CO LTD SHENZHEN CITY (HUAW-N)

Inventor: YU C; ZHANG Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1138279	A	19961218	CN 95116742	A	19950928	199806 B

Priority Applications (No Type Date): CN 95116742 A 19950928

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1138279	A		2 H04Q-007/28	

Abstract (Basic): CN 1138279 A

The program-controlled exchange based cellular system integrates wired exchange with wireless exchange. The wireless exchange has several additional functions, such as equi-authorization dialling of **wireless** and wired **users**, group calling, cluster calling, duplex and simplex callings controlled by exchanger, **authorisation** identification and correct **payment** counting of wireless use. The exchange also allows roam access between different exchanges and further automatic **roam** in large-area **network**.

Dwg.1/1

Title Terms: PROGRAM; CONTROL; EXCHANGE; BASED; CELLULAR; COMMUNICATE;  
SYSTEM; INTEGRATE; WIRE; WIRELESS; EXCHANGE; WIRELESS; EXCHANGE; FUNCTION  
; ORIGINAL; PROGRAM; CONTROL; EXCHANGE; WELL; ADD; FUNCTION

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/28

File Segment: EPI

27/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013905241 \*\*Image available\*\*  
WPI Acc No: 2001-389454/200141  
XRPX Acc No: N01-286472

**Method for telephone call connection and billing across wide area network, involves forwarding billing information regarding telephone call and applying debit cost to account associated with billed number**

Patent Assignee: ICALL INC (ICAL-N)

Inventor: FISCHLER A H; NETHERCOTT K L

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200072571	A2	20001130	WO 2000US14638	A	20000525	200141 B
AU 200052982	A	20001212	AU 200052982	A	20000525	200141

Priority Applications (No Type Date): US 99135739 A 19990525

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200072571	A2	E	20 H04M-015/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH  
CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE  
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200052982	A		H04M-015/00	Based on patent WO 200072571
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Abstract (Basic): WO 200072571 A2

NOVELTY - A telephone call is initiated between a first user and a **second user** across a wide area **network** after confirming the availability of a credit unit associated with a called number to **accept** a debit cost associated with the call. **Billing** information regarding the telephone call is then forwarded, and the debit cost is applied to an account associated with a billed number other than a calling number.

DETAILED DESCRIPTION - The availability of the credit unit is confirmed after a first user initiated call from the calling number to the called number is accepted at a first gateway. INDEPENDENT CLAIMS are also included for the following:

(a) a system for telephone call connection and billing in wide area network;

(b) and a call completion and billing system in wide area network compatible with **Internet** and Public System Telephone Network (PSTN).

USE - For telephone communication connection and billing across wide area network.

ADVANTAGE - Establishes and tracks collect and third party billed calls across a **packet** based data **network**.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the method for telephone call connection and billing in wide area network.  
pp; 20 DwgNo 5/5

Title Terms: METHOD; TELEPHONE; CALL; CONNECT; BILL; WIDE; AREA; NETWORK;  
FORWARDING; BILL; INFORMATION; TELEPHONE; CALL; APPLY; DEBIT; COST;

ACCOUNT; ASSOCIATE; BILL; NUMBER

Derwent Class: T01; T05; W01

International Patent Class (Main): H04M-015/00

File Segment: EPI

29/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013192860 \*\*Image available\*\*  
WPI Acc No: 2000-364733/200031  
XRPX Acc No: N00-272971

Public telephone cabin office/communications equipment having cabin wall  
mounted telephone/facsimile/ internet/ data processing multiple  
communications networks accessing.

Patent Assignee: ALL NET (ALLN-N); ALL NET SA (ALLN-N)

Inventor: ALLANI C; ALLANI S; ALLINI S

Number of Countries: 090 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200022798	A1	20000420	WO 99FR2423	A	19991008	200031 B
FR 2785127	A1	20000428	FR 9812633	A	19981008	200031
AU 9959912	A	20000501	AU 9959912	A	19991008	200036

Priority Applications (No Type Date): FR 9812633 A 19981008

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200022798	A1	F	38	H04M-001/00	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

FR 2785127	A1		H04L-029/02	
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AU 9959912	A		H04M-001/00	Based on patent WO 200022798
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Abstract (Basic): WO 200022798 A1

NOVELTY - The office equipment and communications system can be  
installed in existing telephone cabins (CA). There is an assembly of  
office equipment (1) which is wall mounted. The equipment accesses  
resources (S1) and is connected to communications networks, allowing  
**internet**, voice and facsimile interchanges.

USE - Publicly available office and communications system including  
access to the telephone, facsimile and **Internet** facilities.

ADVANTAGE - The system is available in a telephone booth in an  
office or on an insertion of a **payment** card providing all the usual  
office facilities, **allowing** a great number of sites to be set up in  
locations not previously able to provide these facilities.

DESCRIPTION OF DRAWING(S) - The figure shows the office equipment  
in the telephone cabin

telephone cabin (CA)  
office equipment (1)  
resources (S1)  
track pad (TP)  
keyboard (CO)  
pp; 38 DwgNo 1/6

Title Terms: PUBLIC; TELEPHONE; CABIN; OFFICE; COMMUNICATE; EQUIPMENT;  
CABIN; WALL; MOUNT; TELEPHONE; FACSIMILE; DATA; PROCESS; MULTIPLE;  
COMMUNICATE; NETWORK; ACCESS

Derwent Class: W01

International Patent Class (Main): H04L-029/02; H04M-001/00

International Patent Class (Additional): H04L-012/14; H04M-011/06;

H04M-017/00; H04M-017/02

File Segment: EPI

29/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

011646441 \*\*Image available\*\*

WPI Acc No: 1998-063349/199806  
XRPX Acc No: N98-049801

**Initiating secure data communication between two computers for electronic payment transaction - formatting transaction information at payment gateway system and transmitting transaction to particular host legacy system for returning level of credit authorisation to gateway**

Patent Assignee: VERIFONE INC (VERI-N)

Inventor: ROWNEY K T B

Number of Countries: 076 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9749053	A2	19971224	WO 97US10520	A	19970617	199806 B
AU 9733994	A	19980107	AU 9733994	A	19970617	199820
US 5987132	A	19991116	US 96664835	A	19960617	200001

Priority Applications (No Type Date): US 96664835 A 19960617

Cited Patents: -SR.Pub

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9749053 A2 E 193 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US  
UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9733994 A G06F-017/60 Based on patent WO 9749053

US 5987132 A H04L-009/32

Abstract (Basic): WO 9749053 A

The method for initiating secure communication between two computers connected to a network for receiving and transmitting information involves establishing a communication link between the two computers via the **network**. An encryption process and a decryption process are identified by the two computers.

Encrypted payment information, including a payment instrument, is transmitted from the first computer to the second computer using the communication link. The encrypted payment information is received at the second computer using the communication link, and the payment information is decrypted. A credit risk is evaluated based on the payment information including the presence or absence of a certificate. The payment information is used for further payment processing. The **Internet** is used for transmitting information between the two computers.

ADVANTAGE - Provides secure data transmission over public communication system such as **Internet**. Uses flexible extendible architecture to **allow** service provider to determine whether to **accept** or reject **payment**.

Dwg.15B/66

Title Terms: INITIATE; SECURE; DATA; COMMUNICATE; TWO; COMPUTER; ELECTRONIC  
; PAY; TRANSACTION; FORMAT; TRANSACTION; INFORMATION; PAY; GATEWAY;  
SYSTEM; TRANSMIT; TRANSACTION; HOST; SYSTEM; RETURN; LEVEL; CREDIT;  
AUTHORISE; GATEWAY

Derwent Class: T05; W01

International Patent Class (Main): G06F-017/60; H04L-009/32

International Patent Class (Additional): G07F-019/00; H04L-009/00

File Segment: EPI

29/5/3 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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06446603 \*\*Image available\*\*

NETWORK SIGNIFICANT SYSTEM ON PUBLIC NETWORK

PUB. NO.: 2000-032173 [JP 2000032173 A]

PUBLISHED: January 28, 2000 (20000128)  
INVENTOR(s): BABA YOSHIMI  
APPLICANT(s): BABA YOSHIMI  
APPL. NO.: 10-234837 [JP 98234837]  
FILED: July 15, 1998 (19980715)  
INTL CLASS: H04M-015/00; H04M-003/00; H04M-011/00

ABSTRACT

PROBLEM TO BE SOLVED: To perform highly efficient communication between entities by preparing and using shared path control information and also to supply it as social services.

SOLUTION: In the case that a connection state of communication is established between **two** points on a **network**, and services such as a telephone are provided using at public network such as **Internet**, information on how to maximize a communication path is provided by combining services of information on the path and **charge settlement** in particular, and utility **charges** based on a connection time are calculated when the services for providing the information are performed, and it is made possible to charge the user. Thus, the communication path is constructed by an analysis function and a data base function, and fusion of **charge settlement** services is enabled by using a specified path and a time interval by IP source routing or the like.

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File 348:European Patents 8-2001/Jul W04  
(c) 2001 European Patent Office  
File 349:PCT Fulltext 1983-2001/UB=20010719, UT=20010712  
(c) 2001 WIPO/MicroPat

Set	Items	Description
S1	147440	NETWORK?(NOT 5N)(IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?)(3N)(SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	38891	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR SUB- SCRIBER? OR CALLER? ? OR CALLING() (PARTY OR PARTIES) OR CUSTO- MER? ? OR SHOPPER?)(5W)S1
S3	10716	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?)(5W)S1
S4	13122	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND)(3W)NETWORK- ?(NOT 5N)(IP OR INTERNET)
S5	27051	(PACKET()DATA OR IP OR ISP)()NETWORK? OR INTERNET? OR (WOR- LDWIDE OR WORLD()WIDE)(2W)WEB OR EXTRANET?
S6	739545	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV?
S7	13712	S6(5N)(PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSA- TION OR BILLING OR (BILL OR BILLS)(NOT 5N)(HOUSE OR CLINTON OR SENATE OR GATES OR HR))
S8	13	S2(S)S3(S)S5(S)S7
S9	4	S8 NOT SERVICE?()PATTERN?/TI
S10	5	PSTN(S)S3(S)S5(S)S7
S11	2	S10 NOT (S8 OR SERVICE?()PATTERN?/TI)
S12	32	S4(S)S5(S)S7
S13	13	S12 NOT (S8 OR SERVICE?()PATTERN?/TI)
S14	2	(SIM OR SIMS OR SUBSCRIBER?()IDENTIFICATION()MODULE? ?)(S)- S7(S)(S3 OR S4)
S15	1	S14 NOT (S8 OR S12)

9/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:European Patents  
(c) 2001 European Patent Office. All rts. reserv.

01210837

**Sim based authentication as payment method in public isp access networks**  
**SIM basierte Authentifizierung als Zahlungsverfahren in öffentlichen ISP**  
**Zugangsnetzen**

**Sim authentication comme procede pour le paiement dans un reseau avec un**  
**isp acces public**

PATENT ASSIGNEE:

Nokia Corporation, (2963880), Keilalahdentie 4, 00045 Espoo, (FI),  
(Applicant designated States: all)

INVENTOR:

Ekberg, Jan-Erik, Seljatie 1 A 5, 00320 Helsinki, (FI)  
Lemilainen, Jussi, 69 Maynard Street, Arlington, MA 02474, (US)

LEGAL REPRESENTATIVE:

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...ABSTRACT A1

The invention is a method and system for obtaining connection to a **packet data network** (14). The invention includes inputting a **user** request to a **first network** (10) which requests that the user (12) be authorized for connection to the **packet data network** through a **second network**; transmitting from the **first network** to the **second network** the user request and an **authorization of payment** to the **second network** by the **first network** for the **users** use of the **packet data network**; transmitting from the **second network** to the **first network** authentication information granting the **user** authentication through the **second network** to the **packet data network**; and transmitting the authentication information from the **first network** to the user which informs the user that authentication to obtain connection to the **packet data network** has been granted.

9/3,K/2 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
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00806382

**METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF**  
**MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A**  
**MARKET SPACE INTERFACE**

**PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE**  
**PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION**  
**D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)

Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

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DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

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Fulltext Availability:

Detailed Description

Detailed Description

... detail) include directories, policies, user authentication,  
registration, and encryption. These components enable services like  
integrated messaging, multimedia conversations, on demand multi-point  
conference, enhanced security & **authentication**, various classes of  
media transport services, numerous automations in electronic **internet**  
commerce activities e.g. banking, shopping, customer care, education,  
etc. As the NGN matures third party value added service providers will  
develop IP based services...

9/3,K/3 (Item 2 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00601493 \*\*Image available\*\*

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY  
COMMUNICATION**

**SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR  
RESEAU COMMUTE**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 9847298 A2 19981022

Application: WO 98US7927 19980415 (PCT/WO US9807927)

Priority Application: US 97835789 19970415; US 97834320 19970415

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK  
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TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 175758

Fulltext Availability:

## Detailed Description

### Detailed Description

... Servkcs  
VNET.IP.

\*Configuration Data, 1) PC Online 0 Calculate 2) Directory Service Chw"ge  
CWleng Challenge calculat 4 3) Challenge Response Respons: L Response  
**Authenticate** user 4) PC Online Ack Ack, \*Securi Update Profile with EP  
and Config data Optional data depending upon implementation

1. The user for a PC...the mainframe that converts the protocol to that  
recognizable by the SNMS Alarming Server 302. The event data is then  
transmitted via SNA or TCP/IP to the SNMS Alarming Server 302. SNMS  
maintains a Signaling Event List 608 of all SS7 event types that is to be  
processed. In step...1, the ACD on the DSP modem pool will connect a  
switch to a modem 2 and a port to an Agent 3. Then the **user** logs-in to  
the system with a special, custom terminal program that utilizes the data  
stream part of the H.324 bandwidth (using the ITU...

...greeting messages,

- view and manage their video-mail, or
- view selections from a library of recordings (Video On Demand).

227

In an alternate embodiment, a **user** can dial " 1 800 324 CALL" to call a  
number. Then, if the destination number was 1 319 375 1772, the modem  
dial string would...

9/3,K/4 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT Fulltext  
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00592217

### A COMMUNICATION SYSTEM ARCHITECTURE ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

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Inventor(s):

JUN Fang, JUN, Fang , ,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9834391 A2 19980806

Application: WO 98US1868 19980203 (PCT/WO US9801868)

Priority Application: US 97794555 19970203; US 97794114 19970203; US  
97794689 19970203; US 97807130 19970210; US 97798208 19970210; US  
97795270 19970210; US 97797964 19970210; US 97800243 19970210; US  
97798350 19970210; US 97797445 19970210; US 97797360 19970210

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LU MC NL PT SE

Publication Language: English

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Fulltext Availability:  
Detailed Description

Detailed Description

... be conveyed according to the following alternatives:

1. Assign a new 10XXX number that is the carrier's Internet.
2. By subscription.

The first method **allows** the caller to select the **Internet** as the long distance carrier on a call by call basis. The second method makes the **Internet** the default long distance network. In the second case a customer can return to the carrier's conventional long distance network by dialing the carrier...

...users of the service. The second method avoids the need to dial extra digits, but requires a commitment by the subscriber to predominately use the **Internet** as his long distance network. The choice is a lower price with a lower quality of service.

In the PSTN to PSTN case it is...

...low speed dial access. In the case of PSTN to PSTN service both these factors are removed.

The use of DSPs in the PSTN to **Internet** voice gateway will keep compression and protocol processing times very low. The access to the gateway will be at a full 64 kbps on the PSTN side and likely Ethernet on the **Internet** side.

Gateways will typically be located close to the backbone so the router on the Ethernet will likely be connected to the backbone by a...but the need for the added complexity of RSVP is yet to be established. Also, questions remain regarding the scalability of RSVP for large-scale **internet** telephony.

11/3,K/1 (Item 1 from File: 349)  
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(c) 2001 WIPO/MicroPat. All rts. reserv.

00786021

**SYSTEM AND METHOD FOR THE SYNCHRONIZATION AND DISTRIBUTION OF TELEPHONY  
TIMING INFORMATION IN A CABLE MODEM NETWORK**  
**SYSTEME ET PROCEDE DESTINE A LA SYNCHRONISATION ET A LA DISTRIBUTION  
D'INFORMATIONS DE SYNCHRONISATION TELEPHONIQUES SUR UN RESEAU MODEM  
CABLE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200119005 A1 20010315 (WO 0119005)

Application: WO 2000US24405 20000905 (PCT/WO US0024405)

Priority Application: US 99152254 19990903

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LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

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(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext Word Count: 110906

Fulltext Availability:

Detailed Description

Detailed Description

... 626, via the MTA 620 and HAPI interface 621, by instructing it to create, modify, and delete connections that support the media stream over the **IP network**. The GCP logic 624 also instructs the voice and data processor to detect and generate events and signals. The GCP logic 624 also exercise attribute...issued from the CMS. The CMS, is responsible for setting up and tearing down calls, providing advanced services such as custom calling features, performing call **authorization**, and generating **billing** event records, etc. For example, the CMS 628 instructs the MTA 620 to inform the CMS 628 when the phone goes off hook, and seven...etc) are implemented at the Media Adapter.

#### 2.2.1 Media Adapter Functions

The Media Adapter performs the following functions:

##### 2.2.1.1 HomePNA **Network** Interface

The Media Adapter implements the HPNLA MAC services described in section 4.15, compliant to the HPNA 2.0 interface specification.

wo 01/19005...analog voice codec at the handset is synchronized to a reference clock at the Proxy Gateway. The Proxy Gateway reference clock is synchronized to a **network** stratum reference clock. Uds is necessary to eliminate time slips from clock drift.

2. The generation of encoded voice packets is synchronized to the arrival

...

11/3,K/2 (Item 2 from File: 349)  
DIALOG(R) File 349:PCT Fulltext  
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00749056 \*\*Image available\*\*

**GATEWAY WITH VOICE**

**PASSERELLE VOCALE**

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**Legal Representative:**

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**Patent and Priority Information (Country, Number, Date):**

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Application: WO 2000US10149 20000413 (PCT/WO US0010149)

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99154903 19990920; US 99156266 19990927; US 99157470 19991001; US

99160124 19991018; US 99161152 19991022; US 99162315 19991028; US

99163169 19991102; US 99163170 19991102; US 99163600 19991104; US

99164379 19991109; US 99164689 19991110; US 99164690 19991110; US

99166289 19991118; US 99454219 19991209; US 99171203 19991215; US

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DM EE ES FI GB GD GE GH HR HU ID IL IN IS JP KE KG KP KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
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(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

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Fulltext Word Count: 76060

Fulltext Availability:

Detailed Description

Detailed Description

... further aspect of the present invention, a method of conditioning a composite signal, the composite signal being formed by introducing a first signal into a **second** signal, includes adaptively filtering the first signal, detecting the **second** signal in the composite signal, controlling filter adaptation of the first signal responsive to detecting the second signal in the composite signal, and conditioning the...may utilize either 64 QAM or 256 QAM in the 54 to 860 MHz bandwidth to interface with the CMTS. The QAM downstream demodulator 100 **accepts** an analog signal centered at the standard television IF frequencies, amplifies and digitizes the signal with an integrated programmable gain amplifier and A/D converter. The...network on a USB (Universal Serial Bus) or an asynchronous serial interface, Local Area Networks (LAN) such as Ethernet, Wide Area Networks (WAN) such as **Internet** Protocol (IP), Frame Relay (FR), Asynchronous Transfer Mode (ATM), Public Digital CellularNetwork such as TDMA (IS-13x), CDMA (IS-9x) or GSM for terrestrial wireless...via the MTA 620 and HAPI interface 621, by instructing it to create, modify, and delete connections that support the media stream over the **IP network**. The GCP logic 624 also instructs the voice and data processor to detect and generate events and signals. The GCP logic 624 also exercise attribute...



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00814139

**A METHOD FOR MANAGING A UTILITY SERVICE UTILIZING A NETWORK**  
**PROCEDE DE GESTION D'UN SERVICE UTILITAIRE AU MOYEN D'UN RESEAU**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US35256 20001222 (PCT/WO US0035256)

Priority Application: US 99471644 19991223; US 99471961 19991223; US  
99472717 19991223

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DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS

LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM

TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

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Detailed Description

Claims

Fulltext Word Count: 35868

**English Abstract**

A system, method and article of manufacture are provided for operating a utility service utilizing an internet protocol network by defining a database including account information of a customer of a utility. It should be noted that the database may be part of a system having more than one physical storage location. Customer usage of the utility is then monitored utilizing the internet protocol network. Usage data gathered while monitoring the customer usage is stored in the database. Customer service information is posted utilizing the internet protocol network. In one embodiment of the present invention, customer service information is received utilizing the internet protocol network. Such customer service information may include customer identity, a type of service, service measurement and/or time interval.

**French Abstract**

L'invention concerne un systeme, un procede et un article de fabrication destines au fonctionnement d'un service utilitaire, au moyen d'un reseau IP, par la definition d'une base de donnees comprenant des informations de compte d'un client d'un utilitaire. La base de donnees peut faire partie d'un systeme comportant plus d'un emplacement de stockage physique. L'utilisation de l'utilitaire de la part du client est ensuite surveillee au moyen du reseau IP. Les donnees d'utilisation rassemblees lors de la surveillance de l'utilisation client sont stockees dans la base de donnees. Les informations relatives aux services clients sont envoyees par le reseau IP. Dans un mode de realisation, les informations relatives aux services clients sont recues par le reseau IP. Ces informations peuvent comprendre l'identite du client, un type de service, la mesure du service et/ou la periodicite.

Legal Status (Type, Date, Text)

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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A  
NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF  
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE  
DANS UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE, ET  
PROCÉDÉ ASSOCIÉ

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

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LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

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Publication Language: English

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 160101

English Abstract

A system, method, and article of manufacture are disclosed that controls the network and manages resources for managing network assets through asset tracking in an e-Commerce-based supply chain framework. Features include automatically caching web content, providing proxy services, managing load balancing such as spreading tasks among servers and rerouting data around problems. The capability to reroute data around problems includes identifying and automatically bypassing an unavailable network object. Additional features may include a capability to enable remote access and providing integrated firewall services. The remote access capabilities include enabling a high density modem pool and providing a remote access point. The integrated firewall services on the network includes storing and reporting firewall functions and firewall attacks.

French Abstract

L'invention concerne un système, un procédé, et un article de manufacture permettant de commander le réseau et d'en gérer les ressources de manière à gérer le parc informatique par le suivi des ressources dans un cadre du type chaîne d'approvisionnement basée sur le commerce électronique. Parmi les fonctions qu'offre le système de l'invention figurent : la mise en mémoire cache automatique des contenus Web, l'offre de services proxy, la gestion de l'équilibrage des charges, notamment la répartition des tâches entre serveurs et le re-routage des données en cas de problème. Cette fonction de re-routage des données en cas de problème assure

l'identification et le routage automatique d'un objet sur un reseau non disponible. Parmi les autres fonctions, notons la possibilite de permettre un acces a distance et l'offre de services pare-feu integres. Les fonctions d'accès a distance passent par l'activation d'un groupe de modems haute densite et la creation d'un point d'accès a distance. Les services pare-feu integres du reseau gerent le stockage et la signalisation des fonctions pare-feu et des attaques au niveau des pare-feu.

Legal Status (Type, Date, Text)

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00806384

**NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF**

**GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK

DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 160541

English Abstract

A system, method and article of manufacture are provided for asset management in a network-based supply chain. Utilizing a network, information is received information from at least one service provider. This information includes information relating to present network assets of the service provider. Information is also received utilizing the network from at least one manufacturer. The information from the manufacturers includes information relating to present network assets of the manufacturers. A determination is made for optimal network assets needed for the service provider and manufacturer based on the present network assets of service provider and the manufacturer. Based on this determination, the optimizing of the network assets is managed.

French Abstract

L'invention concerne un systeme, un procede et un article de fabrication destines a la gestion d'actifs dans une chaine d'approvisionnement en

reseau. Ce dernier permet de recevoir des informations provenant d'au moins un prestataire de services. Ces informations renferment des elements d'information se rapportant aux actifs actuels en reseau dudit prestataire. Elles sont egalement recues par le biais du reseau en provenance d'au moins un fabricant. Les informations des fabricants comportent des elements d'information se rapportant aux actifs actuels en reseau des fabricants. On determine les actifs en reseau optimaux necessaires au prestataire de services et au fabricant sur la base des actifs actuels en reseau desdits prestataire de services et fabricant. Cette determination permet de gerer l'optimisation des actifs en reseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

13/5/4 (Item 4 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
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00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN ENVIRONNEMENT DE CHAINE D'APPROVISIONNEMENT FONDEE SUR LE RESEAU ET PROCEDE ASSOCIE

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Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 159863

English Abstract

A system, method and article of manufacture are provided for collaborative capacity planning during demand and supply planning in a network-based supply chain. Data access is provided from multiple simultaneous data sources utilizing a network for demand and supply planning in a network-based supply chain having at least one service provider and at least one manufacturer. Capacity data is stored utilizing the network.

French Abstract

On decrit un systeme, un procede et un article manufacture qui permettent

d'effectuer la planification en collaboration des capacités lors de la planification de l'offre et de la demande dans une chaîne d'approvisionnement fondée sur le réseau. L'accès aux données provient d'une pluralité de sources de données simultanées auxquelles on accède par un réseau en vue d'effectuer la planification de l'offre et de la demande dans une chaîne d'approvisionnement fondée sur le réseau comprenant au moins un fournisseur de service et au moins un fabricant. Des données de capacité sont stockées au moyen du réseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

13/5/5 (Item 5 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00786021

SYSTEM AND METHOD FOR THE SYNCHRONIZATION AND DISTRIBUTION OF TELEPHONY  
TIMING INFORMATION IN A CABLE MODEM NETWORK  
SYSTEME ET PROCEDURE DESTINEE A LA SYNCHRONISATION ET A LA DISTRIBUTION  
D'INFORMATIONS DE SYNCHRONISATION TELEPHONIQUES SUR UN RESEAU MODEM  
CABLE

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200119005 A1 20010315 (WO 0119005)

Application: WO 2000US24405 20000905 (PCT/WO US0024405)

Priority Application: US 99152254 19990903

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04J-003/06

International Patent Class: H04N-007/173; H04L-012/28

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 110906

English Abstract

A method for synchronizing clocks in a packet transport network. The method comprises, receiving an external network clock at a central packet network node and transmitting timing information to a plurality of packet network devices, the timing information based upon the external network clock. The method further comprises, transmitting and receiving data that is synchronized to the timing information to a plurality of connected packet network devices. And finally, delivery of packets to an external interface via a packet network that contains data synchronized to the external network clock.

French Abstract

L'invention concerne un procede destine a synchroniser des horloges dans un reseau de transmission d'informations par paquets. Le procede consiste a recevoir l'horloge d'un reseau externe dans un noeud de reseau de paquet central et a transmettre les informations de synchronisation a une pluralite de dispositifs de reseaux de commutation par paquets, les informations de synchronisation etant basees sur l'horloge du reseau externe. Le procede consiste egalement a transmettre et a recevoir des donnees synchronisees avec les informations de synchronisation et a les transmettre a une pluralite de dispositifs de reseaux de commutation par paquets. Le procede consiste enfin a livrer des paquets a une interface externe via un reseau de paquets contenant des donnees synchronisees avec l'horloge du reseau externe.

Legal Status (Type, Date, Text)

Publication 20010315 A1 With international search report.

Publication 20010315 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20010705 Request for preliminary examination prior to end of 19th month from priority date

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DIALOG(R)File 349:PCT Fulltext

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00784130

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MANAGING AN ENVIRONMENT OF A DEVELOPMENT ARCHITECTURE FRAMEWORK**

**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR LA GESTION D'UN ENVIRONNEMENT DE CADRICIEL D'ARCHITECTURE DE DEVELOPPEMENT**

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200116721 A2 20010308 (WO 0116721)

Application: WO 2000US23893 20000831 (PCT/WO US0023893)

Priority Application: US 99387651 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK DM

EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 68211

English Abstract

A system, method and article of manufacture are provided for managing an environment in a development architecture framework. Service of a system is managed based on service level agreements and/or operations level agreements. A plurality of system management operations are performed. The system management operations include start-up and shut-down

operations, back-up and restore operations, archiving operations, security operations, and performance monitoring operations. Service is planned in order to anticipate and implement changes in the system.

#### French Abstract

L'invention concerne un systeme, un procede et un article manufacture permettant de gerer un environnement dans un cadre d'architecture de developpement. Le service d'un systeme est gere sur la base des accords de niveau de service et/ou d'accords de niveau d'operations. Une pluralite d'operations de gestion du systeme sont realisees. Les operations de gestion du systeme comprennent des operations de demarrage et de fermeture, de sauvegarde et de restauration, d'archivage, de securite, et des operations de controle de performances. Le service est planifie afin d'anticiper et de mettre en oeuvre les changements dans le systeme.

Legal Status (Type, Date, Text)

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DIALOG(R) File 349:PCT Fulltext  
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00777020

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR RESOURCE ADMINISTRATION IN AN E-COMMERCE TECHNICAL ARCHITECTURE**  
**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ADMINISTRATION DE RESSOURCES DANS UNE ARCHITECTURE TECHNIQUE DE COMMERCE ELECTRONIQUE**

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200109791 A2 20010208 (WO 0109791)  
Application: WO 2000US20547 20000728 (PCT/WO US0020547)  
Priority Application: US 99364161 19990730

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DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 133530

#### English Abstract

A system, method and article of manufacture provide a resources e-commerce technical architecture. One embodiment of the present invention includes first performing network performance modeling on a network. Context objects are shared among a plurality of components executed on a transaction server on the network. Application consistency is maintained by referencing text phrases through a short codes framework. Further, software modules are managed during development of

the architecture.

#### French Abstract

Cette invention se rapporte a un systeme, a un procede et a un article manufacture qui forment une architecture technique de commerce electronique pour l'administration de ressources. Dans un mode de realisation de cette invention, on soumet d'abord un reseau a une operation de modelisation des performances reseau. Les objets contextes sont partages entre plusieurs elements executes sur un serveur de transactions du reseau. On maintient la coherence des applications en referencant des phrases textes via une structure de codes courts. Des modules de logiciels sont en outre geres pendant l'elaboration de cette architecture.

Legal Status (Type, Date, Text)

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republished upon receipt of that report.  
Examination 20010719 Request for preliminary examination prior to end of  
19th month from priority date

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DIALOG(R) File 349:PCT Fulltext

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00761424

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF  
COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES  
DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

Patent Applicant/Assignee:

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Legal Representative:

BRUESS Steven C, Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200073930 A2 20001207 (WO 0073930)

Application: WO 2000US14458 20000524 (PCT/WO US0014458)

Priority Application: US 99321360 19990527

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY  
CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility  
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH  
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK  
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 143507

#### English Abstract

A system, method, and article of manufacture are provided for displaying phases of delivery of components of a system by first displaying a pictorial representation of an existing system including a plurality of components. Next, a first set of components are presented that are to be



delivered in a first phase. This is accomplished by indicia coding the first set of components in a specific manner. Further, a second set of components are presented that are to be delivered in a second phase. This is carried out by indicia coding the second set of components in a manner unique with respect to the indicia coding of the first set of components.

#### French Abstract

L'invention concerne un systeme, un procede et un article manufacture destines a afficher des phases de fourniture de composants d'un systeme, en affichant d'abord une representation picturale d'un systeme existant comprenant plusieurs composants. Ensuite, une premiere serie de composants a fournir dans une premiere phase est presentee. Cette operation s'effectue par codage indiciel de la premiere serie de composants, de facon specifique. Par la suite, une deuxieme serie de composants a fournir dans une deuxieme phase est presentee. Cette operation s'effectue par codage indiciel de la deuxieme serie de composants, de facon unique par rapport au codage indiciel de la premiere serie de composants.

#### Legal Status (Type, Date, Text)

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Examination 20010301 Request for preliminary examination prior to end of  
19th month from priority date

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DIALOG(R)File 349:PCT Fulltext  
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00761422

#### BUSINESS ALLIANCE IDENTIFICATION

#### SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION D'ALLIANCES COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU

#### Patent Applicant/Assignee:

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#### Legal Representative:

BRUESS Steven C (agent), Merchant, Gould, Smith, Edell, Welter & Schmidt,  
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#### Patent and Priority Information (Country, Number, Date):

Patent: WO 200073928 A2-A3 20001207 (WO 0073928)  
Application: WO 2000US14375 20000524 (PCT/WO US0014375)  
Priority Application: US 99320816 19990527

#### Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI  
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

#### Main International Patent Class: G06F-017/60

#### Publication Language: English

#### Filing Language: English

#### Fulltext Availability:

#### Detailed Description

#### Claims

Fulltext Word Count: 143341

#### English Abstract

A system, method and article of manufacture are provided for identifying alliances among a plurality of business entities in components of a

network framework. First alliances are identified among plurality of business entities in terms of components of a current network framework. Next, a pictorial representation is displayed of the current network framework and the components. The alliances are then conveyed by indicia coding the components of the current network framework in which the alliances exist.

#### French Abstract

La presente invention concerne un systeme, un procede et un article de production permettant d'identifier les alliances au sein d'un groupe de plusieurs entites commerciales en terme de composants d'un cadre de reseau. Tout d'abord, les alliances sont identifiees parmi un groupe de plusieurs entites commerciales en terme de composants d'un cadre de reseau en cours. Ensuite, une representation graphique du reseau en cours et des composants est affichee. Les alliances sont alors acheminees en codant les composants du cadre de reseau en cours dans lequel les alliances existent avec des marques.

#### Legal Status (Type, Date, Text)

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Search Rpt 20010525 Late publication of international search report  
Republication 20010525 A3 With international search report.

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DIALOG(R)File 349:PCT Fulltext  
(c) 2001 WIPO/MicroPat. All rts. reserv.

00645598 \*\*Image available\*\*

COMPUTERIZED BILLING AND PAYMENT AUTHORIZATION METHODS AND SYSTEMS,  
COMPUTERIZED BILL CONSOLIDATING AND PAYMENT AUTHORIZATION METHODS AND  
SYSTEMS, UTILITY BILLING ACCESS AND PAYMENT METHODS AND SYSTEMS,  
UTILITY BILLING ACCESS AND CONSOLIDATING METHODS AND SYSTEMS, AND  
UTILITY PROVIDER CONSOLIDATED BILLING SYSTEMS

PROCEDES ET SYSTEMES INFORMATISES DE FACTURATION ET D'AUTORISATION DE  
PRELEVEMENTS, DE REGROUPEMENT DE FACTURES ET D'AUTORISATION DE  
PRELEVEMENTS, D'ACCES A LA FACTURATION DES SERVICES PUBLICS ET DE  
PRELEVEMENTS, D'ACCES A LA FACTURATION ET DE REGROUPEMENT ET SYSTEMES  
DE FACTURATION AUX FOURNISSEURS DES SERVICES PUBLICS

#### Patent Applicant/Assignee:

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BONI Ken, BONI, Ken , 12545 Emerald Drive, Hayden Lake, ID 83835 , US  
MILLER Dave, MILLER, Dave , W. 11414 Seven Mile Road, Spokane, WA 99224 ,  
US  
FEICHTNER Mark, FEICHTNER, Mark , S.358 Coeur d'Alene Street &3, Spokane,  
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KIPPENHAN Larry, KIPPENHAN, Larry , 18104 E. Alki, Greenacres, WA 99016 ,  
US  
NANTO Shawn, NANTO, Shawn , E. 2341 29th, Spokane, WA 99223 , US  
ORR Teri, ORR, Teri , 18907 E. Baldwin, Greenacres, WA 99016 , US  
BOWERS Dan, BOWERS, Dan , 3463 Raindrop Court, Boise, ID 83706-5249 , US

#### Patent and Priority Information (Country, Number, Date):

Patent: WO 9928843 A2 19990610  
Application: WO 98US19566 19980918 (PCT/WO US9819566)  
Priority Application: US 97984708 19971203

Designated States: AL AM AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW  
ML MR NE SN TD TG

Main International Patent Class: G06F-017/60;

International Patent Class: G06F-017/36;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8149

#### English Abstract

Computerized **billing** and **payment authorization** methods and systems are described. In one aspect, a host system includes a database in which information associated with a billable entity from which payment is to be received is stored. Billing information is received from a billing entity and is associated with a bill for payment by the billable entity. The billable entity is provided with remote electronic access to the billing information in the host computer and can **authorize payment** thereof. In one implementation, the billing information is scrutinized in accordance with pre-determined tolerance parameters prior to the billable entity gaining access thereto. In another implementation, a plurality of billing entities provide billing information to the host system, with the billing information being subsequently checked and consolidated into a consolidated amount which can be remotely accessed by the billable entity. In a preferred implementation a plurality of utility providers are incorporated into the system and providing billing information for customers which may have a number of different, geographically-separated sites being serviced by different utilities. The billing information is consolidated and made available electronically through access which is initiated by the customer. Preferably, the systems and methodologies of the invention are implemented in connection with a **multi** -user computer **network** such as the **Internet** .

#### French Abstract

L'invention concerne des procedes et des systemes de facturation informatisee et d'autorisation de prelevements. Selon une variante, un systeme hote comprend une base de donnees dans laquelle on stocke les informations associees a une entite pouvant etre facturee et devant effectuer un paiement. Les informations sur la facturation proviennent d'une entite de facturation et sont associees a une facture qui doit etre honoree par l'entite facturable. Cette derniere est equipee d'un acces electronique a distance aux informations sur la facturation dans l'ordinateur hote et peut autoriser le paiement de ladite facture. Selon un mode de realisation, les informations sur la facturation sont soigneusement examinees en accord avec les parametres de tolerance predetermines avant que l'entite facturable n'ait acces a celles-ci. Selon un autre mode de realisation, une pluralite d'entites de facturation fournissent des informations sur la facturation au systeme hote, les informations etant verifiees et regroupees ulterieurement en une quantite regroupee a laquelle l'entite facturable peut acceder a distance. Selon un mode de realisation prefere, une pluralite de fournisseurs de services publics sont incorpores dans le systeme et fournissent des informations sur la facturation pour les clients qui sont repartis dans des zones geographiques differentes et qui ont profite de differents services publics. Les informations sur la facturation sont regroupees et proposees de maniere electronique pour que le client puisse y acceder. Les systemes et procedes sont mis en oeuvre, de preference, via un reseau informatique multi-utilisateur tel qu'Internet.

00632801

**INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT  
SYSTEME D'ECHANGES COMMERCIAUX INTEGRES POUR LA GESTION DE  
TELECOMMUNICATIONS SUR LE WEB**

**Patent Applicant/Assignee:**

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**Patent and Priority Information (Country, Number, Date):**

Patent: WO 9915979 A1 19990401  
Application: WO 98US20170 19980925 (PCT/WO US9820170)  
Priority Application: US 9760655 19970926

Designated States: AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

Main International Patent Class: G06F-013/00;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 91547

**English Abstract**

The specification discloses a method of doing business over the public Internet, particularly, a method which enables access to legacy management tools used by a telecommunications enterprise in the management of the enterprise business to the enterprise customer, to enable the customer to more effectively manage the business conducted by the customer through the enterprise, this access being provided over the public Internet. This method of doing business is accomplished with one or more secure web servers which manage one or more secure client sessions over the Internet, each web server supporting secure communications with the client workstation; a web page backplane application capable of launching one or more management tool applications used by the enterprise. Each of the management tool applications provide a customer interface integrated within said web page which enables interactive Web/Internet based communications with the web servers; each web server supports communication of messages entered via the integrated customer interface to one or more remote enterprise management tool application servers which interact with the enterprise management tool applications to provide associated management capabilities to the

customer.

#### French Abstract

Cette invention se rapporte a un procede permettant de realiser des echanges commerciaux par l'Internet, en particulier un procede qui permet d'accéder a des outils de gestion legues utilises par une entreprise de telecommunications pour la gestion de ses relations commerciales avec ses clients, et pour permettre aux clients de gerer plus efficacement leurs interets commerciaux par l'intermediaire de l'entreprise, cet acces etant assure par l'Internet. Ce procede d'echanges commerciaux utilise un ou plusieurs serveurs web securises, qui gerent une ou plusieurs sessions client securisees sur l'Internet, chaque serveur web prenant en charge les communications securisees avec la station de travail client; ainsi qu'une application de fond de panier de page web capable de lancer une ou plusieurs applications d'outils de gestion utilisees par l'entreprise. Chacune de ces applications d'outils de gestion fournit une interface client integree a chaque page web qui permet des communications interactives par le Web/l'Internet avec les serveurs web; et chaque serveur web prend en charge la communication des messages entres via l'interface client integree a destination d'un ou de plusieurs serveurs d'applications d'outils de gestion d'entreprise distants, qui entrent en interaction avec les applications d'outils de gestion d'entreprise pour assurer aux clients des capacites de gestion associees.

13/5/12 (Item 12 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00577375

#### A COMMUNICATION SYSTEM ARCHITECTURE

SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

Patent Applicant/Assignee:

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 PRICE Ricky A, PRICE, Ricky, A. , 2991 Hillingdon Drive, Richardson, TX  
 75082 , US  
 SALEH Bilal A, SALEH, Bilal, A. , 1205 E. Camp McDonald Road, Prospect  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528  
 Application: WO 97US21174 19971114 (PCT/WO US9721174)  
 Priority Application: US 96751203 19961118; US 96751668 19961118; US  
 96752271 19961118; US 96758734 19961118; US 96751209 19961118; US  
 96751661 19961118; US 96752236 19961118; US 96752487 19961118; US  
 96752269 19961118; US 96751923 19961118; US 96751658 19961118; US  
 96752552 19961118; US 96751933 19961118; US 96751663 19961118; US  
 96746899 19961118; US 96751915 19961118; US 96752400 19961118; US  
 96751922 19961118; US 96751961 19961118

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
 FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
 MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU  
 ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES  
 FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD  
 TG

Main International Patent Class: H04M-011/06;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 188452

English Abstract

Telephone calls, data and other multimedia information is routed through  
 a hybrid network which includes transfer of information across the  
 internet. A media order entry captures complete user profile information  
 for a user. This profile information is utilized by the system throughout  
 the media experience for routing, billing, monitoring, reporting and  
 other media control functions. Users can manage more aspects of a network  
 than previously possible, and control network activities from a central  
 site.

French Abstract

Des appels telephoniques, des donnees et autres informations multimedias  
 sont achemines par un reseau hybride capable egalement de transmission de  
 donnees par l'Internet. Une rubrique d'ordonnancement des supports  
 utilise en mode exclusif des informations completes de profils  
 utilisateurs concernant un meme utilisateur. Ces informations de profils  
 sont utilisees par le systeme, pendant toute la duree active du support,  
 a des fins d'acheminement, de facturation, de surveillance, de  
 compte-rendu et autres fonctionnalites de gestion de supports. Les  
 utilisateurs peuvent ainsi gerer un plus grand nombre de fonctionnalites  
 reseau et gerer des activites reseau depuis un site central.

13/5/13 (Item 13 from file: 349)  
DIALOG(R) File 349:PCT Fulltext  
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00431955 \*\*Image available\*\*

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION**

**SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION ELECTRONIQUE DES DROITS**

Patent Applicant/Assignee:

ELECTRONIC PUBLISHING RESOURCES INC

Inventor(s):

GINTER Karl L

SHEAR Victor H

SPAHN Francis J

VAN WIE David M

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2-A3 19960906

Application: WO 96US2303 19960213 (PCT/WO US9602303)

Priority Application: US 95388107 19950213

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB  
GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO  
RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ  
TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML  
MR NE SN TD TG

Main International Patent Class: G06F-001/00;

International Patent Class: G06F-017/60;

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 205184

**English Abstract**

The present invention provides systems and methods for electronic commerce including secure transaction management and electronic rights protection. Electronic appliances such as computers employed in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Secure subsystems used with such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Secure distributed and other operating system environments and architectures, employing, for example, secure semiconductor processing arrangements that may establish secure, protected environments at each node. These techniques may be used to support an end-to-end electronic information distribution capability that may be used, for example, utilizing the "electronic highway".

**Japanese Abstract**

Systemes et procedes destines au domaine du commerce electronique, et notamment a la gestion securisee des transactions et a la protection electronique des droits. Les appareils electroniques tels que les ordinateurs utilises conformement a la presente invention permettent d'assurer que les informations ne sont consultees et exploitees que de maniere autorisee, et ils conservent l'integrite, la disponibilite et/ou le caractere confidentiel des informations. Les sous-systemes securises utilises en association avec de tels appareils electroniques constituent un environnement de distribution virtuelle distribue (VDE) apte a imposer une chaine securisee de traitement et de commande, par exemple pour la commande et/ou la mesure ou encore le controle de l'utilisation d'informations stockees ou diffusees electroniquement. Cet environnement de distribution virtuel peut servir a proteger les droits de differents

individus impliqués dans le commerce électronique et dans d'autres transactions électroniques ou assistées par des moyens électroniques. On a également prévu des environnements et architectures de système d'exploitation distribués, sécurisés et autres mettant en œuvre, par exemple, des ensembles de traitement sécurisés à semi-conducteurs pouvant établir des environnements sécurisés et protégés au niveau de chaque nœud. Ces techniques peuvent servir de soutien pour une fonction électronique de distribution d'informations de bout en bout, cette fonction étant utilisable, par exemple, dans le domaine de l'"autoroute électronique".

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15/5,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:European Patents  
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01121064

**Pre-paid telecommunication services in LEO mobile satellites system**  
**Vorbezahlten Telekommunikations Diensten in mobile LEO Satelliten Anordnung**  
**Services de telecommunication prepayes dans un systeme de communication par**  
**satellites LEO**

**PATENT ASSIGNEE:**

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Read, Matthew Charles et al (47911), Venner Shipley & Co. 20 Little  
Britain, London EC1A 7DH, (GB)

PATENT (CC, No, Kind, Date): EP 981211 A1 000223 (Basic)

APPLICATION (CC, No, Date): EP 98305186 980630;

DESIGNATED STATES: DE; FI; FR; GB; NL; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04B-007/185

**ABSTRACT EP 981211 A1**

A pre-payment subscriber to a satellite mobile telephone system is provided with the same services on roamed terrestrial networks as any other subscriber. The subscriber's network maintains a credit record for each pre-payment subscriber and is capable of calculating, in response to a request from the subscriber's user terminal seeking to access services on another network, the maximum amount of call time which the subscriber's available credit allows on the other network. The available call time is transmitted to the user terminal which controls the call as well as notifying the first network of unelapsed call time.

ABSTRACT WORD COUNT: 98

**NOTE:**

Figure number on first page: 1

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Examination: 001011 A1 Date of request for examination: 20000815

Application: 20000223 A1 Published application with search report

LANGUAGE (Publication,Procedural,Application): English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200008	662
SPEC A	(English)	200008	4896
Total word count - document A			5558
Total word count - document B			0
Total word count - documents A + B			5558

...SPECIFICATION GSM Unstructured Supplementary Service Data (USSD) service which is supported by all GSM providers. The content of the USSD message includes the identity of the **roamed network**, the IMSI and the number dialled. The message is coded according to **pre-payment credit validation** and security protocols determined by the home network.

The USSD message is received by the home network MSSC 21 which is configured to route the...

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File 350:Derwent WPIX 1967-2001/UD,UM &UP=200142  
          (c) 2001 Derwent Info Ltd  
 File 347:JAPIO OCT 1976-2001/Mar(UPDATED 010705)  
          (c) 2001 JPO & JAPIO  
 File 344:CHINESE PATENTS ABS APR 1985-2001/Jun  
          (c) 2001 EUROPEAN PATENT OFFICE  
 File 348:European Patents 1978-2001/Jul W04  
          (c) 2001 European Patent Office  
 File 349:PCT Fulltext 1983-2001/UB=20010719, UT=20010712  
          (c) 2001 WIPO/MicroPat

Set	Items	Description
S1	3	AU=(LEMILAINEN J? AND EKBERG J?)
S2	32	AU=(LEMILAINEN J? OR EKBERG J?)
S3	9	S2 AND (PAYMENT? OR BILL???)
S4	6	S3 NOT S1

1/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2001 Derwent Info Ltd. All rts. reserv.

013525538 \*\*Image available\*\*  
WPI Acc No: 2001-009744/200102  
XRPX Acc No: N01-007366

**SIM based authentication as payment method in public ISP access networks  
and for obtaining connection to packet data network involves granting  
user authentication via second network to packet data network**

Patent Assignee: NOKIA CORP (OYNO ); NOKIA MOBILE PHONES LTD (OYNO )

Inventor: EKBERG J ; LEMILAINEN J

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1052825	A1	20001115	EP 2000303712	A	20000503	200102 B
JP 2001005782	A	20010112	JP 2000133828	A	20000502	200107

Priority Applications (No Type Date): US 99303424 A 19990503

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1052825	A1	E	10	H04L-029/06	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2001005782	A	8	G06F-015/00	
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Abstract (Basic): EP 1052825 A1

NOVELTY - The method obtains connection to a packet data network using two networks, first and second. It transmits to first network authentication information from the second network granting the user authentication after his or her request for connection to the packet network (14). It transmits this information to the user informing him or her that authentication to obtain connection has been granted.

DETAILED DESCRIPTION - An independent claim describes a system comprising a user.

USE - As SIM based authentication as a payment method in public ISP access networks and obtaining a connection to a packet data network.

DESCRIPTION OF DRAWING(S) - The drawing shows the method of purchasing service units by a user with a first network to provide connection to a packet data network via a second network.

the packet data network (14)

pp; 10 DwgNo 1/2

Title Terms: BASED; AUTHENTICITY; PAY; METHOD; PUBLIC; ACCESS; NETWORK;

OBTAIN; CONNECT; PACKET; DATA; NETWORK; USER; AUTHENTICITY; SECOND;

NETWORK; PACKET; DATA; NETWORK

Derwent Class: W01; W02

International Patent Class (Main): G06F-015/00; H04L-029/06

International Patent Class (Additional): H04L-009/32; H04L-012/66

File Segment: EPI

1/5/2 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2001 JPO & JAPIO. All rts. reserv.

06778307 \*\*Image available\*\*  
METHOD AND SYSTEM FOR AUTHENTICATING SIM BASE AS PAYING METHOD IN PUBLIC  
ISP ACCESS NETWORK

PUB. NO.: 2001-005782 [JP 2001005782 A]

PUBLISHED: January 12, 2001 (20010112)

INVENTOR(s): LEMILAINEN JUSSI

EKBERG JAN-ERIK

APPLICANT(s): NOKIA MOBILE PHONES LTD

APPL. NO.: 2000-133828 [JP 2000133828]

FILED: May 02, 2000 (20000502)

PRIORITY: 303424 [US 303424], US (United States of America), May 03,  
1999 (19990503)  
INTL CLASS: G06F-015/00; H04L-009/32; H04L-012/66

ABSTRACT

PROBLEM TO BE SOLVED: To enable a user to connect with a packet data network at a roaming destination even if a charging agreement does not exist between the home network of the user and a roaming destination network.

SOLUTION: A user request requesting a user 12 to accept connection with a packet data network 14 through a 2nd network 16 is inputted to a 1st network 10, the user request and payment approval to the 2nd network by the 1st network about the use of the packet data network by the user are sent from the 1st network to the 2nd network, authentication information with which the user is approved to obtain the connection with the packet data network through the 2nd network is sent from the 2nd network to the 1st network, and authentication information with which the user is notified that authentication for obtaining the connection with the packet data network has been obtained is sent from the 1st network to the user.

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1/5/3 (Item 1 from file: 348)  
DIALOG(R) File 348:European Patents  
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01210837

**Sim based authentication as payment method in public isp access networks**  
**SIM basierte Authentifizierung als Zahlungsverfahren in öffentlichen ISP**  
**Zugangsnetzen**

**Sim authentication comme procede pour le paiement dans un reseau avec un**  
**isp acces public**

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(Applicant designated States: all)

INVENTOR:

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**Lemilainen, Jussi** , 69 Maynard Street, Arlington, MA 02474, (US)

LEGAL REPRESENTATIVE:

Read, Matthew Charles (47911), Venner Shipley & Co. 20 Little Britain,  
London EC1A 7DH, (GB)

PATENT (CC, No, Kind, Date): EP 1052825 A1 001115 (Basic)

APPLICATION (CC, No, Date): EP 303712 000503;

PRIORITY (CC, No, Date): US 303424 990503

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-029/06

ABSTRACT EP 1052825 A1

The invention is a method and system for obtaining connection to a packet data network (14). The invention includes inputting a user request to a first network (10) which requests that the user (12) be authorized for connection to the packet data network through a second network; transmitting from the first network to the second network the user request and an authorization of payment to the second network by the first network for the users use of the packet data network; transmitting from the second network to the first network authentication information granting the user authentication through the second network to the packet data network; and transmitting the authentication information from the first network to the user which informs the user that authentication to obtain connection to the packet data network has been granted.

ABSTRACT WORD COUNT: 135

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001115 A1 Published application with search report  
Change: 010117 A1 Legal representative(s) changed 20001128  
Examination: 010620 A1 Date of request for examination: 20010423

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200046	737
SPEC A	(English)	200046	3553
Total word count - document A			4290
Total word count - document B			0
Total word count - documents A + B			4290

4/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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012348041 \*\*Image available\*\*  
WPI Acc No: 1999-154148/199913  
XRPX Acc No: N99-111113

**Method for implementing access service in telecommunication network with access network, services and terminals**

Patent Assignee: NOKIA TELECOM OY (OYNO ); NOKIA NETWORKS OY (OYNO )  
Inventor: **EKBERG J** ; FLYKT P; GINZBOORG P; LAITINEN P; SOEDERLUND T;  
YLA-JAASKI A; YLAE-JAEAESKI A; YLI-JAEAESKI A; YLA-JAEAESKI A; **EKBERG J G** ; LAITINEN P J; YLAE-JAEASKI A  
Number of Countries: 083 Number of Patents: 010  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9907108	A2	19990211	WO 98FI590	A	19980714	199913 B
FI 9702980	A	19990115	FI 972980	A	19970714	199921
FI 9801031	A	19990115	FI 981031	A	19980508	199921
AU 9884433	A	19990222	AU 9884433	A	19980714	199927
NO 200000170	A	20000313	WO 98FI590	A	19980714	200023
			NO 2000170	A	20000113	
FI 104667	B1	20000414	FI 972980	A	19970714	200025
FI 104668	B1	20000414	FI 981031	A	19980508	200025
EP 1005737	A2	20000607	EP 98935049	A	19980714	200032
			WO 98FI590	A	19980714	
CN 1267414	A	20000920	CN 98808149	A	19980714	200063
US 6240091	B1	20010529	US 97955561	A	19971017	200132

Priority Applications (No Type Date): FI 981031 A 19980508; FI 972980 A 19970714

**Patent Details:**

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9907108	A2	E 59	H04L-012/14	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

FI 9702980	A	H04L-000/00	
FI 9801031	A	H04L-000/00	
AU 9884433	A	H04L-012/14	Based on patent WO 9907108
NO 200000170	A	H04L-000/00	
FI 104667	B1	H04L-012/14	Previous Publ. patent FI 9702980
FI 104668	B1	H04L-012/14	Previous Publ. patent FI 9801031
EP 1005737	A2 E	H04L-012/14	Based on patent WO 9907108
			Designated States (Regional): AT BE CH DE FR GB IT LI NL SE
CN 1267414	A	H04L-012/14	
US 6240091	B1	H04L-012/44	

**Abstract (Basic): WO 9907108 A2**

NOVELTY - The method (fig 3a) ensures a reliable and versatile **billing** can be incorporated into the system in a communications network. The start up of single access service session is indicated by generating a start up message for charging purposes when user connects to access network through the terminal. It charges records with a generated digital signature associated with the session and the signature is verified, and gives terminal access to network if messages are acceptable.

DETAILED DESCRIPTION - The object generating the start up messages can be modified according to the type of network involved.

USE - For implementing access services in a telecommunications system, and give a user access to a service on the network.

ADVANTAGE - Provides solution suitable for use in networks that support terminal mobility and in situations when the **bill** is to be

sent to an address other than that determined by the subscriber line or the subscriber identified by terminal network address.

DESCRIPTION OF DRAWING(S) - The drawing shows a system in operation in the network environment.

pp; 59 DwgNo 3a/15

Title Terms: METHOD; IMPLEMENT; ACCESS; SERVICE; TELECOMMUNICATION; NETWORK ; ACCESS; NETWORK; SERVICE; TERMINAL

Derwent Class: W01

International Patent Class (Main): H04L-000/00; H04L-012/14; H04L-012/44

International Patent Class (Additional): H04M-015/00

File Segment: EPI

4/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011881277 \*\*Image available\*\*

WPI Acc No: 1998-298187/199826

XRPX Acc No: N98-233224

Method for implementing charging in telecommunications network with CTs - involves generating charging record to network and forwarding charging record to billing mechanism for charging customer for selected service

Patent Assignee: NOKIA NETWORKS OY (OYNO ); NOKIA TELECOM OY (OYNO )

Inventor: EKBERG J ; GINZBOORG P; YLA-JAASKI A; YLAE-JAEAESKI A;

YLAE-JAEASKI A

Number of Countries: 079 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9821676	A1	19980522	WO 97FI685	A	19971111	199826 B
FI 9604524	A	19980512	FI 964524	A	19961111	199834
AU 9748712	A	19980603	AU 9748712	A	19971111	199842
CN 1240523	A	20000105	CN 97180604	A	19971111	200021
BR 9713014	A	20000125	BR 9713014	A	19971111	200022
			WO 97FI685	A	19971111	
US 6047051	A	20000404	US 97881391	A	19970624	200024
EP 1012760	A1	20000628	EP 97911276	A	19971111	200035
			WO 97FI685	A	19971111	
NZ 335701	A	20001027	NZ 335701	A	19971111	200062
			WO 97FI685	A	19971111	
AU 730689	B	20010315	AU 9748712	A	19971111	200121

Priority Applications (No Type Date): FI 964524 A 19961111

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9821676 A1 E 42 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

FI 9604524 A H04L-000/00

AU 9748712 A G06F-017/60 Based on patent WO 9821676

CN 1240523 A G06F-017/60

BR 9713014 A G06F-017/60 Based on patent WO 9821676

US 6047051 A H04M-015/00

EP 1012760 A1 E G06F-017/60 Based on patent WO 9821676

Designated States (Regional): BE DE FR GB IT NL SE

NZ 335701 A G06F-017/60 Based on patent WO 9821676

AU 730689 B G06F-017/60 Previous Publ. patent AU 9748712

Based on patent WO 9821676

Abstract (Basic): WO 9821676 A

The method involves selecting a service using a CT, and carries out a negotiation concerning the terms of the service with the CT. It makes a delivery based on the selected service to the customer. A charging

record (CDR) is generated to the network and forwarded to the **billing** mechanism (BS) for charging the customer for the selected service.

A separate **billing** server (WD) is used for charging the provided services in such a way that each CT has a dedicated **billing** server. A charging record is generated in the CT when the customer accepts the terms of service. The charging records generated by a CT are sent to the dedicated **billing** server of the CT. The **billing** servers of the network are used to transfer the charging records to the **billing** mechanism so that one **billing** server participates in transferring the charging record(s) of the selected service.

USE - Relates to implementation of charging in telecommunication system and in particular to implementation of charging for multimedia services.

ADVANTAGE - Creates solution that makes it possible for example to use centralised charging for **billing** multimedia services utilising existing systems as efficiently as possible.

Dwg.2/10

Title Terms: METHOD; IMPLEMENT; CHARGE; TELECOMMUNICATION; NETWORK;  
GENERATE; CHARGE; RECORD; NETWORK; FORWARDING; CHARGE; RECORD; **BILL** ;  
MECHANISM; CHARGE; CUSTOMER; SELECT; SERVICE  
Index Terms/Additional Words: CUSTOMERS; TERMINALS  
Derwent Class: T01  
International Patent Class (Main): G06F-017/60; H04L-000/00; H04M-015/00  
File Segment: EPI

4/5/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00689149 \*\*Image available\*\*

**SYSTEM AND METHOD FOR AUTHENTICATION IN A MOBILE COMMUNICATIONS SYSTEM**  
**SYSTEME ET PROCEDE D'AUTHENTIFICATION DANS UN SYSTEME DE TELECOMMUNICATIONS**  
**MOBILE**

Patent Applicant/Assignee:

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Inventor(s):

**EKBERG Jan-Erik** , EKBERG, Jan-Erik , Seljatie 1 A 5, FIN-00320 Helsinki  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 0002406 A2 20000113 (WO 200002406)

Application: WO 99FI565 19990624 (PCT/WO FI9900565)

Priority Application: FI 981565 19980707

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT

UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD

RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF

CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04Q-007/38;

Publication Language: English

Filing Language: Finnish

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7930

English Abstract

The invention concerns authentication to be performed in a telecommunications network, especially in an IP network. To allow a simple and smooth authentication of users of IP networks in a geographically large area, the IP network's terminal (TE1) uses a subscriber identity module (SIM) as used in a separate mobile communications system (MN), whereby a response may be determined from the challenge given to the identity module as input. The IP network also includes a special security server (SS), to which a message about a new



user is transmitted when a subscriber attaches to the IP network. The subscriber's authentication information containing at least a challenge and a response is fetched from the said mobile communications system to the IP network and authentication is carried out based on the authentication information obtained from the mobile communications system by transmitting the said challenge through the IP network to the terminal, by generating a response from the challenge in the terminal's identity module and by comparing the response with the response received from the mobile communications system. Such a database (DB) may also be used in the system, wherein subscriber-specific authentication information is stored in advance, whereby the information in question need not be fetched from the mobile communications system when a subscriber attaches to the network.

#### French Abstract

L'invention concerne l'exécution d'une authentification dans un réseau de telecommunications, notamment dans un réseau IP ; afin de permettre une authentification simple et lise des utilisateurs de reseaux IP dans une zone geographiquement etendue, le terminal (TE1) du reseau IP met en oeuvre un module d'identification d'abonne (SIM) comme celui utilise dans un systeme de telecommunications mobiles separe (MN), de maniere qu'une reponse puisse etre determinee a partir de la procedure de verification soumise au module d'identification, en tant que donnees d'entree. Le reseau IP comprend egalement un serveur special de securite (SS), auquel un message concernant un nouvel utilisateur est transmis lorsqu'un abonne se raccorde au reseau IP. Les informations d'authentification d'abonne contenant au moins une procedure de verification et une reponse sont extraites du systeme de telecommunications mobile et envoyees au reseau IP, le processus d'authentification s'effectuant d'apres les informations d'authentification obtenues a partir du systeme de telecommunications mobile et consistant a transmettre la procedure de verification a travers le reseau IP, en direction du terminal, a produire une reponse a partir de la procedure de verification dans le module d'identification du terminal, et a comparer cette reponse avec la reponse recue a partir du systeme de telecommunications mobiles. On peut egalement utiliser une telle base de donnees (DB) dans le systeme, les informations d'authentification specifiques abonnees y etant stockees par avance, de sorte que les informations en question n'ont pas besoin d'etre recherchees dans le systeme de telecommunications mobiles, lorsqu'un abonne se raccorde au reseau.

Legal Status (Type, Date, Text)

Examination 20000518 Request for preliminary examination prior to end of 19th month from priority date

4/5/4 (Item 2 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00664133 \*\*Image available\*\*

**SYSTEM AND DEVICE FOR ACCESSING SERVICES OF A MOBILE COMMUNICATION NETWORK DIRECTLY OR VIA AN IP NETWORK**

**SYSTEME ET DISPOSITIF D'ACCES AUX SERVICES D'UN RESEAU DE COMMUNICATION MOBILE, DIRECTEMENT OU VIA UN RESEAU IP**

Patent Applicant/Assignee:

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Inventor(s):

**LEMILAINEN Jussi** , LEMILAINEN, Jussi , Orivedenkatu 16 C 61, FIN-33720 Tampere , FI

Patent and Priority Information (Country, Number, Date):

Patent: WO 9948312 A1 19990923

Application: WO 99IB557 19990318 (PCT/WO IB9900557)

Priority Application: GB 985736 19980318; FI 98623 19980319; GB 985843 19980319; FI 981995 19980916

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU IL IN IS JP KE KG KP KR KZ LC LY LR LS LT LU  
 LV MD MG MK MN MW MX NO PL PT RO RU SD SE SG SI SK SL TM TR TT UA  
 UG US UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ  
 TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
 CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: H04Q-007/30;

International Patent Class: H04Q-007/38;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13187

#### English Abstract

A system, wherein a mobile station can switch to an IP access protocol, whereupon data transmitted between the mobile station and a mobile services switching centre change over from a base station system, reached using radio communication, to being transmitted through an interworking unit (40) coupled in connection with an IP connection and the mobile services switching centre. When the mobile station switches to the access network, it transfers the dynamic data relating to the mobile station's state and the calls in progress (state machine) to the interworking unit.

#### French Abstract

L'invention concerne un systeme, dans lequel une station mobile peut se commuter sur un protocole d'accès IP, de maniere que des donnees, transmises entre la station mobile et un centre de commutation de services mobiles, soient commutees a partir d'un systeme de station de base, atteint au moyen de communication radio, aux fins d'etre transmises via une unite d'interfonctionnement (40) couplee de maniere a etre connectee a une connexion IP et au centre de commutation de services mobiles. Lorsque la station mobile se commute sur le reseau d'accès, elle transfere les donnees dynamiques relatives a l'etat de la station mobile et les appels en cours (automate fini) a l'unite d'interfonctionnement.

4/5/5 (Item 3 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00623804 \*\*Image available\*\*

#### IMPLEMENTATION OF ACCESS SERVICE

#### MISE EN OEUVRE D'UN SERVICE D'ACCES

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LAITINEN Pekka, LAITINEN, Pekka , Sornaisten rantatie 3 B 33, FIN-00530  
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FLYKT Patrik, FLYKT, Patrik , Silmupolku 1 A 6, FIN-00380 Helsinki , FI  
 SODERLUND Tom, SODERLUND, Tom , Gyldenintie 8 A 18, FIN-00200 Helsinki ,  
 FI

Patent and Priority Information (Country, Number, Date):

Patent: WO 9907108 A2 19990211

Application: WO 98FI590 19980714 (PCT/WO FI9800590)

Priority Application: FI 972980 19970714; FI 981031 19980508

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
 MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
 UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB IE IT LU MC NL PT SE BF BJ CF CS CI CM GA GN  
GW ML MR NE SN TD TG

Main International Patent Class: H04L-012/14;

Publication Language: English

Filing Language: Finnish

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 16606

#### English Abstract

The invention relates to the implementation of access service in a telecommunications network comprising an access network, a network providing services, and user-operated terminals (TE1... TE3, PC) connected to the access network. The access service is provided by connecting the user terminal to the network providing the services through interface elements that connect the access network to the network providing the services, and in response to the access service at least one charging record is generated for transmission to the **billing** means (BS) for **billing** the access service subscriber for the access service provided. To ensure that reliable and versatile **billing** can be incorporated into the system in a connectionless network, the start-up of a single access service session is indicated by generating a start-up message for charging purposes at the moment when the user connects to the access network through the terminal, charging records with a digital signature associated with the said access service session are generated and the generated signatures verified. The terminal is given access to the network providing the services, if the said messages are generated in an acceptable manner. The object generating the start-up messages can be modified according to the type of network involved.

#### French Abstract

L'invention concerne la mise en oeuvre d'un service d'accès dans un réseau de télécommunication qui comprend un réseau d'accès, un réseau fournissant des services et des terminaux utilisateur (TE1...TE3, PC) reliés au réseau d'accès. On assure le service d'accès en connectant le terminal utilisateur au réseau assurant les services à travers des éléments interface qui relient le réseau d'accès au réseau fournissant les services. En réaction au service d'accès, au moins un enregistrement de taxation est créé pour être transmis aux organes de facturation (BS) concus pour adresser une facture à l'abonné utilisant le service d'accès concernant le service d'accès fourni. Afin d'assurer l'incorporation d'une facturation fiable et souple dans le système dans un réseau en mode sans connexion, on indique le démarrage d'une seule session de service d'accès en créant un message de démarrage à des fins de taxation au moment où l'utilisateur se connecte au réseau d'accès via le terminal. Des enregistrements de taxation sont créés au moyen d'une signature numérique associée à ladite session de service d'accès, puis les signatures créées sont vérifiées. Le terminal a accès au réseau fournissant les services, dès lors que ces messages sont créés de manière acceptable. L'objet créant les messages de démarrage peut être modifié selon le type de réseau considéré.

4/5/6 (Item 4 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00576406 \*\*Image available\*\*

**IMPLEMENTATION OF CHARGING IN A TELECOMMUNICATIONS SYSTEM**

**MISE EN OEUVRE DE LA TAXATION DANS UN SYSTEME DE TELECOMMUNICATION**

Patent Applicant/Assignee:

NOKIA TELECOMMUNICATIONS OY, NOKIA TELECOMMUNICATIONS OY , Keilalahdentie  
4, FIN-02150 Espoo , FI

Inventor(s):

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EKBERG Jan-Erik , EKBERG Jan-Erik , Seljatie 1 A 5, FIN-0320 Helsinki  
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YLA-JAASKI Antti, YLA-JAASKI, Antti , Vehkamaki 11 C 6, FIN-02180 Espoo ,  
FI

Patent and Priority Information (Country, Number, Date):

Patent: WO 9821676 A1 19980522

Application: WO 97FI685 19971111 (PCT/WO FI9700685)

Priority Application: FI 964524 19961111

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK

MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN

YU ZW ZH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK

ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN

TD TG

Main International Patent Class: G06F-017/60;

Publication Language: English

Filing Language: Finnish

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11142

#### English Abstract

The invention concerns a method for the implementation of charging in a telecommunications system including customer terminals used by customers for ordering services and servers for providing services to customers. In order to implement the charging of services easily especially in a multimedia environment, at least one separate **billing** server is used in the network so that each customer terminal has a dedicated **billing** server. A contract message is sent to the customer terminal stating that the customer must make a contact on the selected service, and the customer's acceptance of the contact is sent from the customer terminal to the **billing** server in the network. The **billing** servers of the network are used for transferring charging records to the **billing** system so that the transfer of the charging record(s) concerning the selected service involves at least one **billing** server.

#### French Abstract

L'invention concerne la mise en oeuvre de la taxation dans un systeme de telecommunication comprenant des terminaux d'abonnes qui sont utilises par des abonnes pour commander des services et des serveurs qui permettent de fournir lesdits services aux abonnes. Afin de faciliter la taxation des services, notamment dans un environnement multimedia, au moins un serveur de facturation separe est utilise dans le reseau, de facon que chaque terminal d'abonne ait un serveur de facturation specialise. Un message de passation de contrat est envoye au terminal de l'abonne, disant que ce dernier doit passer un contrat pour le service selectionne, et un message d'acceptation du contrat par l'abonne est transmis du terminal d'abonne au serveur de facturation du reseau. Les serveurs de facturation du reseau sont utilises pour transmettre les enregistrements de taxation au systeme de facturation, de facon que la transmission des enregistrements de taxation concernant le service selectionne fasse appel a au moins un serveur de facturation.

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File 77:Conference Papers Index 1973-2001/Jul  
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File 35:Dissertation Abs Online 1861-2001/Jul  
(c) 2001 ProQuest Info&Learning  
File 583:Gale Group Globalbase(TM) 1986-2001/Jul 31  
(c) 2001 The Gale Group  
File 2:INSPEC 1969-2001/Jul W5  
(c) 2001 Institution of Electrical Engineers  
File 65:Inside Conferences 1993-2001/Jul W5  
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(c) 2001 Info. Today Inc.  
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(c) 2001 The HW Wilson Co.  
File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02  
(c) 2001 THE NEW YORK TIMES  
File 474:New York Times Abs 1969-2001/Jul 30  
(c) 2001 The New York Times  
File 475:Wall Street Journal Abs 1973-2001/Jul 31  
(c) 2001 The New York Times  
File 8:EI Compendex(R) 1970-2001/Jul W5  
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File 6:NTIS 1964-2001/Aug W2  
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 34:SciSearch(R) Cited Ref Sci 1990-2001/Jul W5  
(c) 2001 Inst for Sci Info  
File 94:JICST-EPlus 1985-2001/Jul W1  
(c)2001 Japan Science and Tech Corp(JST)

Set	Items	Description
S1	1794312	NETWORK?(NOT 5N)(IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?)(3N)(SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	54471	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR SUB- SCRIBER? OR CALLER? ? OR CALLING() (PARTY OR PARTIES) OR CUSTO- MER? ? OR SHOPPER?)(5W)(S1 OR PSTN? ? OR POTS)
S3	10678	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?)(5W)S1
S4	41742	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND)(3W)NETWORK- ?(NOT 5N)(IP OR INTERNET)
S5	254469	(PACKET()DATA OR IP OR ISP)()NETWORK? OR INTERNET? OR (WOR- LDWIDE OR WORLD()WIDE)(2W)WEB OR EXTRANET?
S6	3549657	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV?
S7	37008	S6(5N)(PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSA- TION OR BILLING OR (BILL OR BILLS)(NOT 5N)(HOUSE OR CLINTON OR SENATE OR GATES OR HR))
S8	0	S2 AND S3 AND S5 AND S7
S9	2	(S3 OR S4) AND S5 AND S7
S10	2	RD (unique items)
S11	1	S2 AND S3 AND S7
S12	1	S11 NOT S9
S13	55641	SIM OR SIMS OR SUBSCRIBER()IDENTIFICATION()MODULE?
S14	0	S13 AND (S3 OR S4) AND S7
S15	0	AU=(LEMILAINEN, J? OR LEMILAINEN J?) AND AU=(EKBERG, J? OR EKBERG J?)
S16	283	AU=(LEMILAINEN, J? OR LEMILAINEN J? OR EKBERG, J? OR EKBERG J?)
S17	0	S16 AND (S3 OR S4 OR S5) AND S7
S18	2	S16 AND (S3 OR S4 OR S5)
S19	1	RD (unique items)
S20	7	S2 AND (S3 OR S4) AND S7
S21	7	S20 NOT (S10 OR S18)

S22 4 RD (unique items)  
S23 8 (S3 OR S4) AND ROAM??? AND S7  
S24 2 S23 NOT (S18 OR S20 OR S10)  
S25 2 RD (unique items)  
?

10/5/1 (Item 1 from file: 583)  
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09304947

Hallitus vauhdittaa lailla kilpaa **internet** -yhteyksiU  
FINLAND: NEW ACT ON TELECOMS MARKETS  
Helsingin Sanomat (XFB) 09 Jun 2000 p.D2  
Language: FINNISH

In Finland, the Government has **approved** the **bill** for new Act on the Telecoms Markets on 8 June 2000. The new Act concerns also roaming. According to the bill, the rent for a shared connection could be a maximum of half of the total cost. The amendment to the Act aims at a new competitor being able to collect only a fixed price from the users. The time based pricing of **Internet** access could end. The bill includes also third generation mobile phone networks as **roaming** in the GSM **networks** would be possible. Mobile phones with UMTS technology would operate also in those GSM networks which do not yet support the UMTS technology.

PRODUCT: Cellular Radio Services (4811CR); Telecommunications Equipment (3661); Mobile Communications Equipment (3662MB); ISDN Equipment (3661DN);  
EVENT: Commodity & Service Prices (72); Government Regulations (93);  
National Government Economics (94);  
COUNTRY: Finland (5FIN);

10/5/2 (Item 1 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6175050 INSPEC Abstract Number: C1999-04-7120-012

**Title: Electronic commerce and the street performer protocol**  
Author(s): Kelsey, J.; Schneier, B.  
Author Affiliation: Counterpane Syst., Minneapolis, MN, USA  
Conference Title: Proceedings of the 3rd USENIX Workshop on Electronic Commerce p.1-8  
Publisher: USENIX Assoc, Berkeley, CA, USA  
Publication Date: 1998 Country of Publication: USA 242 pp.  
ISBN: 1 880446 97 9 Material Identity Number: XX-1998-02291  
Conference Title: Proceedings of 3rd USENIX Workshop on Electronic Commerce  
Conference Date: 31 Aug.-3 Sept. 1998 Conference Location: Boston, MA, USA  
Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P)

Abstract: We present **two** software-**network** payment systems, designed so that every user is capable of both buying and selling over the **Internet**. One system uses online clearing, while the other uses offline clearing. In the online system, we require the person **accepting** the **payment** to have a reasonably accurate clock, and to keep some short term memory about transfers that have been accepted recently, to prevent trivial replay attacks. The offline system can be imagined as a checking account: users are allowed to write checks for whatever's in their accounts. The software will not allow them to overdraw, but it is assumed that fraudulent users can change their software to allow this. (21 Refs)

Subfile: C

Descriptors: cryptography; electronic commerce; **Internet** ; protocols  
Identifiers: electronic commerce; street performer protocol;  
software-network payment systems; **Internet** ; online clearing; offline clearing; short term memory; trivial replay attacks; checking account; fraudulent users

Class Codes: C7120 (Financial computing); C7210N (Information networks); C5640 (Protocols); C6130S (Data security)  
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12/5/1 (Item 1 from file: 583)  
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06526313

News brief

WORLDWIDE: GSM OPERATORS GIVE SPECIAL DISCOUNTS  
Asia Pacific Telecoms Analyst (XEX) 29 Sep 1997 P.15  
Language: ENGLISH

GSM operators around the world have been controlled by a detailed set of GSM MoU Association's guidelines on how much they are **allowed** to **charge customers roaming** from other **networks**. The association has decided to change its inter-network billing arrangements so that GSM operators can strike agreements on a bilateral basis, without any control on the level of discounts. Hence, the GSM operators can soon compete with each other for roaming business by providing customers with special deals and discounts.

PRODUCT: Cellular Radio Services (4811CR);  
EVENT: Commodity & Service Prices (72); Government Regulations (93);  
COUNTRY: General Worldwide (0W);



19/5/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

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6644162 INSPEC Abstract Number: B2000-08-6210L-134, C2000-08-5620L-051

**Title: IP telephony GSM interworking**

Author(s): **Lemilainen, J.** ; Haverinen, H.

Author Affiliation: Nokia Wireless Bus. Commun., Tampere, Finland

Conference Title: Seamless Interconnection for Universal Services. Global Telecommunications Conference. GLOBECOM'99. (Cat. No.99CH37042) Part vol.5 p.2709-13 vol.5

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 6 vol.(lii+2798) pp.

ISBN: 0 7803 5796 5 Material Identity Number: XX-2000-00492

U.S. Copyright Clearance Center Code: 0 7803 5796 5/99/\$10.00

Conference Title: Seamless Interconnection for Universal Services. Global Telecommunications Conference. GLOBECOM'99

Conference Date: 5-9 Dec. 1999 Conference Location: Rio de Janeiro, Brazil

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: This paper addresses the challenges related to the interoperability of GSM and **IP networks** by presenting an interworking concept between the GSM and IP telephony services. The Mobile IP protocol provides mobile **Internet** hosts with data service roaming between IP sub-networks of different access technologies. Being a generic solution, Mobile IP may fail to exploit the special characteristics of some access technologies. In particular, Mobile IP is not a sufficient solution for the speech service **roaming** between **GSM** and **IP telephony**. The presented concept provides transparent mobility for both data and speech services between GSM and IP-based wireless local area networks. (12 Refs)

Subfile: B C

Descriptors: cellular radio; data communication; **Internet** telephony; **internetworking** ; open systems; transport protocols; voice communication; wireless LAN

Identifiers: IP telephony GSM interworking; GSM networks; **IP networks** ; IP telephony services; GSM telephony services; mobile IP protocol; Mobile **Internet** hosts; data service roaming; IP sub-networks; access technologies; generic solution; speech service roaming; transparent mobility; wireless local area networks; IP-based wireless LAN; service interoperability

Class Codes: B6210L (Computer communications); B6150M (Protocols); B6210D (Telephony); B6250F (Mobile radio systems); C5620L (Local area networks); C5640 (Protocols)

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06526313

News brief

WORLDWIDE: GSM OPERATORS GIVE SPECIAL DISCOUNTS  
Asia Pacific Telecoms Analyst (XEX) 29 Sep 1997 P.15  
Language: ENGLISH

GSM operators around the world have been controlled by a detailed set of GSM MoU Association's guidelines on how much they are **allowed** to **charge** **customers** **roaming** from other **networks**. The association has decided to change its inter-network billing arrangements so that GSM operators can strike agreements on a bilateral basis, without any control on the level of discounts. Hence, the GSM operators can soon compete with each other for roaming business by providing customers with special deals and discounts.

PRODUCT: Cellular Radio Services (4811CR);  
EVENT: Commodity & Service Prices (72); Government Regulations (93);  
COUNTRY: General Worldwide (0W);

22/5/2 (Item 2 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06227115

Bidding for a Telecommunications Bonanza

POLAND: TELECOMMUNICATIONS TENDER LAUNCHED  
The Warsaw Voice (WWV) 22 Oct 1995 p.10  
Language: ENGLISH

The Polish ministry of communications has launched an international tender for **two** GSM **networks** in Poland. The tender involves telecommunications contracts **worth** US\$ 2bn. However, the Polish communications **bill** **allows** only Polish registered and 51% Polish-owned companies to enter the tender. Poland expects to have **one** million **subscribers** to cellular telephone **networks** by the year 2000.

PRODUCT: Telecommunications Equipment (3661); Mobile Communications Equipment (3662MB);  
EVENT: Capital Expenditure (43); Use of Materials & Supplies (46); Contracts & Orders (61);  
COUNTRY: Poland (6POL);

22/5/3 (Item 3 from file: 583)  
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05874255

Mercury aims to cut charges

UK: MERCURY PLANS DROP IN CHARGES  
Daily Telegraph (DT) 22 Jul 1993 p.20  
Language: ENGLISH

Mercury Communications, the UK arm of the US' Cable & Wireless, has said it is optimistic about the prospects for finalising a better deal for connecting its **customers** to the British Telecom **network**, **allowing** it more scope for cutting **charges** to customers. The company has been lobbying OfTel, the telecoms regulator in an attempt to force BT to cut the cost of interconnection between the **two** **networks**.

COMPANY: BRITISH TELECOM; CABLE & WIRELESS; MERCURY COMMUNICATIONS

PRODUCT: Telephone Communications (4811);  
EVENT: Commodity & Service Prices (72); Marketing Procedures (24);  
COUNTRY: United Kingdom (4UK); United States (1USA);

22/5/4 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6469728 INSPEC Abstract Number: B2000-02-6250F-483

**Title: Flexible real-time payment methods for mobile communications**

Author(s): Peirce, M.; O'Mahony, D.

Author Affiliation: Trinity Coll., Dublin, Ireland

Journal: IEEE Personal Communications vol.6, no.6 p.44-55

Publisher: IEEE,

Publication Date: Dec. 1999 Country of Publication: USA

CODEN: IPCME7 ISSN: 1070-9916

SICI: 1070-9916(199912)6:6L.44:FRTP;1-4

Material Identity Number: B467-2000-001

U.S. Copyright Clearance Center Code: 1070-9916/99/\$10.00

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: The method of billing **users** for **mobile telephony** is based on systems developed over time for fixed networks. We survey the technology involved, and argue that these systems will become increasingly inadequate for large populations of mobile users where frequent roaming is involved. We present two micropayment schemes which **permit** a caller to inject a **payment** stream into the network which **allows multiple network** operators and value-added service providers to be paid in real time. The methods support dynamic pricing by the association of a pricing contract with the call which specifies the cost for each leg of the call route. The system will alleviate problems of mobile fraud, eliminate the need for interoperator billing agreements, and simplify payment for value-added network services. We discuss the relative merits of the two systems described and the characteristics of the prototype implementation. (31 Refs)

Subfile: B

Descriptors: contracts; costing; invoicing; land mobile radio; radiotelephony

Identifiers: flexible real-time payment methods; mobile communications; billing method; mobile telephony; fixed networks; roaming; micropayment schemes; payment stream injection; network operators; value-added service providers; dynamic pricing; pricing contract; call route; mobile fraud; value-added network services; prototype implementation

Class Codes: B6250F (Mobile radio systems); B6210D (Telephony)

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25/5/1 (Item 1 from file: 583)  
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09208490

UMTS-verkoissa sallitaan kansallinen  
FINLAND: NATIONAL **ROAMING** TO UMTS **NETWORKS**  
Taloussanomat (AMB) 08 Dec 1999 p.3  
Language: FINNISH

According to a new **bill**, national **roaming** will be **allowed** in the third generation UMTS mobile phone networks. According to the proposal, the company applying for **roaming** rights will first have to negotiate with the other operator. If the companies cannot reach agreement within six months the other company may demand **roaming** rights due to the legislation.

**Roaming** rights can only be claimed in an area where the operator does not have its own network. The applicant has to have a 20% coverage in Finland. The **roaming** rights will end two years after the applicant's coverage has reached 80%.

COMPANY: UMTS

PRODUCT: Cellular Radio Services (4811CR); Telecommunications Equipment (3661); Mobile Communications Equipment (3662MB); ISDN Equipment (3661DN);  
EVENT: Government Regulations (93);  
COUNTRY: Finland (5FIN);

25/5/2 (Item 2 from file: 583)  
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05128703

GSM launch nears without pan-European **roaming**  
EUROPE - FEW BILATERAL **ROAMING** DEALS BETWEEN GSM OPERATORS  
Fintech Mobile Communications (FMC) 4 June 1992 p3-4

It could be two to three years before operators of pan-European digital cellular (GSM) networks are able to market GSM as a truly pan-European service. At best, GSM operators will have negotiated just a handful of bilateral **roaming** deals before the end of 1992. With type-approval difficulties having delayed the launch of GSM services, the deadline of 1 October 1992 for a GSM subscriber in one country to be able to **roam** onto the **networks** of all the other GSM operators, will be missed. This deadline was set down in the Memorandum of Understanding (MoU) signed by the GSM operators. Although the GSM networks are due to open in summer 1992, a number of obstacles will have to be overcome before **roaming** can be extended across sufficient countries to create a truly pan-European service. Fully discussed in the article, these obstacles include mutual recognition of type **approval** plans, signalling problems, **roaming charges**, the fact that GSM operators are not only starting up at different times but will roll out their networks at different speeds, and the different priorities accorded to the negotiation of bilateral **roaming** agreements by the various GSM operators.

PRODUCT: Cellular Radio Services (4811CR);  
EVENT: SERVICES DATA (36); NEW SERVICE DEVELOPMENT (36); NEW SERVICE LAUNCH (36);  
COUNTRY: Europe (4E);

File 15:ABI/Inform(R) 1972-2001/Jul 28  
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(c)2001 The Gale Group  
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(c) 2001 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2001/Jul 30  
(c) 2001 The Gale Group

Set	Items	Description
S1	3857807	NETWORK?(NOT 5N) (IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?) (3N) (SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	462474	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR SUB- SCRIBER? OR CALLER? ? OR CALLING() (PARTY OR PARTIES) OR CUSTO- MER? ? OR SHOPPER?) (5W) (S1 OR PSTN? ? OR POTS)
S3	40072	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?) (5W) S1
S4	95468	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND) (3W) NETWORK- ? (NOT 5N) (IP OR INTERNET)
S5	2749695	(PACKET OR IP OR ISP) (2W) NETWORK? OR INTERNET? OR (WORLDWI- DE OR WORLD() WIDE) (2W) WEB OR EXTRANET?
S6	6393505	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV?
S7	169646	S6(5N) (PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSA- TION OR BILLING OR (BILL OR BILLS) (NOT 5N) (HOUSE OR LEGISTAT? OR LEGAL OR CONGRESS OR REPRESENTATIVES OR CLINTON OR SENATE - OR GATES OR HR))
S8	3	S2(S) S3(S) S5(S) S7
S9	2	RD (unique items)
S10	202324	(SETTLE? OR S6) (5N) (PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSATION OR BILLING OR (BILL OR BILLS) (NOT 5N) (HOUSE - OR LEGISTAT? OR LEGAL OR CONGRESS OR REPRESENTATIVES OR CLINT- ON OR SENATE OR GATES OR HR))
S11	4	S2(S) S3(S) S5(S) S10
S12	3	RD (unique items)
S13	1	S12 NOT S8
S14	36	(S3 OR S4) (S) S5(S) S10
S15	32	S14 NOT (S8 OR S11)
S16	15	RD (unique items)
S17	11	S16 NOT PY=2000:2001
S18	10	S17 NOT PD=19990503:19991231
S19	33250	SIM OR SIMS OR SUBSCRIBER() IDENTIFICATION() MODULE?
S20	0	S19(S) (S3 OR S4) (S) S5(S) S10
S21	21	S19(S) (S3 OR S4 OR S5) (S) S10
S22	13	RD (unique items)
S23	13	S22 NOT (S18 OR S9 OR S13)
S24	3	S23 NOT PY=2000:2001
S25	3	S24 NOT PD=19990503:19991231
S26	1	S25 NOT RON() SIMS
?		

9/3,K/1 (Item 1 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
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07577197 Supplier Number: 63511400 (USE FORMAT 7 FOR FULLTEXT)  
**TELECOMMUNICATIONS: COMMISSION LIFTS VEIL ON NEW REGULATORY FRAMEWORK.**  
European Report, pNA  
July 15, 2000  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1705

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...which will apply to all satellite and terrestrial networks, including both fixed and wireless networks, i.e. the public switched telephone network, networks using the **Internet** Protocol (IP), cable television, mobile and terrestrial broadcast networks. By contrast it does not cover services such as broadcast content or electronic commerce services. Another ...

...and numbers. The text draws up a list of conditions attached to general authorisation, imposes rigorous restrictions on the right to use radio frequencies, and **authorises** the levying of **charges** for the use of radio frequencies and numbers. By simplifying this authorisation regime, the Commission hopes to significantly reduce the administrative costs currently associated with...

...telephony network for making and receiving local, national and international telephone calls, fax communications and data transmissions at speeds sufficient to permit access to the **Internet** ; - operator and directory services - public pay telephones - measures for disabled users and users with specific needs - the availability of an emergency number (112). Member States... per call is not required), information to be included in contracts, operator assistance services, portability of numbers (scope for retaining the same number when a **subscriber** to a fixed or **mobile telephony** service changes operator; the novelty being the extension of portability to mobile telephony); obligations regarding the selection and pre-selection of operators by users, which...

...The proposal does not make any major modifications but updates definitions in order to cover new forms of electronic communication (data transmission, use of the **Internet** ). For example, Article 12 of Directive 97/66/EC protected subscribers against unsolicited calls. The new text refers to unsolicited communications, in order to cover...

...elements of the eEurope action plan approved at the Feira Summit in Portugal. The "local loop" is the final segment of the telecommunications network linking **subscribers** to local switches. The **network** remains one of the least competitive segments of the liberalised telecommunications market. Allowing unbundled access to the local loop means authorising new entrants to use...

...fully control the commercial relationship with their clients. The introduction on this network should, according to the Commission, permit a substantial reduction in costs for **Internet** use and rapid expansion of high-output **Internet** access. The key provisions of the proposal for a regulation are as follows:- Notified operators shall make available to third parties totally unbundled access to...

...of the sectoral enquiry concerning telecommunications, approved by the Commission on 27 July 1999. The two previous segments of the enquiry concerned rented lines and **roaming** agreements in **mobile telephony** and were launched at the end of 1999 and the beginning of 2000.--...

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09044617 SUPPLIER NUMBER: 18789555

**Internet users free to roam. (I-Pass Alliance Inc) (Company Business and Marketing)**

Wexler, Joanie

Network World, v13, n42, p23(1)

Oct 14, 1996

ISSN: 0887-7661

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: The I-Pass Alliance Inc, a new company based in Palo Alto, CA, aims to enable **customers** to **roam** among **ISP networks** worldwide. I-Pass will function as a broker, facilitating users' cross-**authorizations** and handling **payment** settlements. The company, which estimates that 5% to 8% of **Internet** users might require **Internet** access outside their ISP's service area, will make its money by charging a fee when a customer uses the server. Participating ISP's will...

...with free authorization software. Customers will be provided with lists of participating ISPs' local access numbers and will be able to dial in to the **Internet** from any city.

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13/3,K/1 (Item 1 from file: 16)  
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08155677 Supplier Number: 67266119 (USE FORMAT 7 FOR FULLTEXT)  
**Comdex: Cisco announces products to network on the go.(Company Business and Marketing)**  
Evers, Joris  
Network World, pNA  
Nov 20, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General Trade  
Word Count: 262

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

LAS VEGAS - Cisco Monday announced networking products that let users access the **Internet** while on the go. </p> The networking gear, dubbed Cisco **Internet** Mobile Office, is designed to give secure, high-speed network access from public facilities. </p> There are over 300 "hot spot" locations where travelling professionals can access their office networks through secure broadband **Internet** access, Cisco said. These locations include airports, convention centers and hotels. </p> Cisco's **Internet** Mobile Office line includes wired and wireless products. Among the offerings is an end-to-end security product based on the Cisco VPN. With this remote-access computing technology traveling business users can get secure access to their enterprise networks. </p> Cisco announced several partnerships to get its **Internet** Mobile Office out. Concourse Communications Group LLC will deploy Cisco's products throughout the world, with a focus on airports. EDS will use Cisco's...

...Alliances with CAIS Software Solutions and iPass are "two critical elements" offering subscriber gateway and roaming technologies, respectively. CAIS Software's iPort technology facilitates the **billing settlement** of using the **Internet** on a "pay as you go" method. </p> In a related announcement Monday, Cisco and iPass announced a Global Broadband Roaming Service providing a single user interface through the iPassConnect and Cisco Secure VPN client software for **users roaming** across many broadband **networks** . </p> Cisco, in San Jose, is at 408-526-4000, or at <http://www.cisco.com/>.



**18/3,K/1 (Item 1 from file: 16)**  
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05591753 Supplier Number: 48464126 (USE FORMAT 7 FOR FULLTEXT)  
**Internet Telephony: Ericsson Pioneers New IP Telephony Services With Launch of Internet Telephony Solution for Carriers**  
EDGE, on & about AT&T, pN/A  
May 4, 1998  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 361

... but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real Time **Billing** is provided with fraud prevention and a call duration advice with the integrated voice response software.

**18/3,K/2 (Item 2 from file: 16)**  
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05585842 Supplier Number: 48455994 (USE FORMAT 7 FOR FULLTEXT)  
**Ericsson Teams With Delta Three For Net Telephony 04/30/98**  
Newsbytes, pN/A  
April 30, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; General Trade  
Word Count: 799

... but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least-cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real-time **billing** is provided with fraud prevention and a call duration advice system with the integrated voice response software.

To launch IPTC globally, Ericsson has teamed up...

**18/3,K/3 (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05584991 Supplier Number: 48454619 (USE FORMAT 7 FOR FULLTEXT)  
**Ericsson Pioneers New IP Telephony Services With Launch of Internet Telephony Solution for Carriers.**  
Business Wire, p4301322  
April 30, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 405

... but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real Time **Billing** is provided with fraud prevention and a call duration advice with the integrated voice response software.

Ericsson's 100,000 employees are active in more...

18/3,K/4 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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05203286 Supplier Number: 47938270 (USE FORMAT 7 FOR FULLTEXT)

**Unwired Planet Introduces Web Browser For Wireless Handsets**

Communications Today, pN/A

August 28, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 126

The micro-browser, distributed as embedded software, will be available to consumers free of charge, allowing them to access Internet e-mail and the World Wide Web, as well as to make use of corporate intranet applications. The technology operates on multiple wireless networks, including those based on cellular digital packet data standard and on the code division multiple access, global system for mobile communications and time division multiple...

18/3,K/5 (Item 5 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04873416 Supplier Number: 47167395

**Business support systems: Vital competitive elements for converged services.**

McGrail, Mike

Telecommunications, p65

March, 1997

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...be adequate. Each service would need a different system. It would be inefficient in the extreme to support integrated business with multiple BSSs. An open-billing solution, one that allows service providers to deliver, combine and bill in an efficient agile way is essential. It will need to handle multiple services, independent of network type. Such systems are designed to give great levels of flexibility for making operational choices and at the same time make data available for strategic planning and marketing decisions. There will be highspeed Internet access, interactive video, multiplayer games, shopping from home as well as banking, telecommuting services and things not yet invented. Business support systems will have to...

18/3,K/6 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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10991317 SUPPLIER NUMBER: 54495609 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**TELEPHONY.**

Communications Daily, 19, 80, NA

April 27, 1999

ISSN: 0277-0679 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 3163 LINE COUNT: 00260

**TEXT:**

...Electric Co. (GEC) plans to acquire Pittsburgh-based Fore Systems in GEC bid to become key U.S. competitor for asynchronous transfer mode (ATM) and Internet protocol (IP)-based switching. Purchase price of \$35 per share marks 43% premium over Fore's closing price Fri. GEC described acquisition as providing access...

...will be accretive, company said. "We will now be in a position to capture the full benefits of the impact of the explosive growth of **Internet** and other data traffic on the demand for communications equipment and systems," said GEC Chief Executive George Simpson. Marconi Communications arm of GEC, which isn't...

...for deploying undersea global network. Without acquisition, Global Crossing had planned to pay outside companies \$80-\$100 million annually to install and maintain its undersea **Internet** protocol-based fiber network. Global Marine, which marks Global Crossing's largest acquisition since agreeing to merge last month with Frontier Communications, will operate as ...our prospects for growth are pretty strong." In Latin America, BS ended 1998 with 3 times more customers than expected, he said. Citing growth in **Internet** protocol-based services, Frontier Communications reported 6.8% increase in revenue to \$674.83 million for quarter ended March 31. Frontier, which last month announced...

...7-year, \$63-million contract to provide high-speed broadband and data services to facilities-based CLEC Advanced TelCom Group (ATG). Qwest will provide dedicated **Internet** access, frame relay, private line, dark fiber and long distance to ATG, based in Santa Rosa, Cal. Fueled by strong growth in data and wireless...

...with plans to expand offerings to other markets. Ericsson won contract from Croatian wireless operator VIP-Net to deliver base station subsystems for new nationwide **GSM** wireless network. System, Croatia's 2nd **GSM network**, is scheduled to begin commercial operation in July. Coverage areas are expected to expand to 90% of population next year. Telecom Events: (1) American Enterprise...in FCC's recently launched proceeding on whether incumbent telcos nationally must share their voice lines with competitors providing high-bandwidth data services such as **Internet** access. Bill would give PUC 90 days after FCC issues final line-sharing order to implement line-sharing rules for Cal., consistent with FCC requirements. If FCC doesn't act by Jan. 1, bill would **permit** PUC to develop and implement line-sharing rules on its own, but wouldn't compel action or set implementation deadlines. Measure has support of 29...

...safety net for low-income households by expanding eligibility criteria, and denied unfair "windfall" to local exchange competitors from reciprocal compensation payments on dial-up **Internet** calls. Arbitrator for Cal. PUC ruled that agency's decision last fall requiring incumbent telcos to pay CLECs' reciprocal compensation on dial-up **Internet** access calls still is operative and requires Pacific Bell to pay all of disputed compensation on local calls to ISPs served by Stockton-based Pac...

18/3,K/7 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2001 The Gale Group. All rts. reserv.

09753453 SUPPLIER NUMBER: 19738357 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Net domain naming fees spark dispute. (National Science Foundation's inspector general pleads for congressional support for domain name revenue) (Government Activity)**  
Pejman, Peyman; Jackson, William  
Government Computer News, v16, n23, p6(1)  
August 11, 1997  
ISSN: 0738-4300 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 666 LINE COUNT: 00057

... names grew to 120,000. That year, Network Solutions was authorized to charge a \$100 one-time registration fee plus a \$100 renewal fee every two years.

Spending money

**Network** Solutions has been putting \$30 of each renewal fee into the research fund to be spent on preservation and enhancement of the intellectual infrastructure of the **Internet**.

No one bothered to call out how the fund would be used, however.  
Now there are about 1 million registered names, and Sunshine said the

...

18/3,K/8 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

02171142 SUPPLIER NUMBER: 20557335 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Ericsson Teams With Delta Three For Net Telephony.**  
Newsbytes, pNEW04300034  
April 30, 1998  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 844 LINE COUNT: 00072

... but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least-cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real-time **billing** is provided with fraud prevention and a call duration advice system with the integrated voice response software.

To launch IPTC globally, Ericsson has teamed up...

18/3,K/9 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

01323209 SUPPLIER NUMBER: 07647532 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**What you should know about ONA. (includes related articles on Key ONA terms; The relationship between ONA and ISDN; Is there an international ONA?; For more help with ONA and Getting the states involved) (Open Network Architecture)**  
Powell, Dave  
Networking Management, v7, n8, p36(6)  
August, 1989  
ISSN: 1052-049X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 5808 LINE COUNT: 00452

... CNSs from 66 to 82, to become more consistent with the other RBOCs. Among the important elements added are six "substantial new services" related to **packet -switched networking**, according to Bill McDonough, the RBOC's district manager, ONA integration. These include reverse **charge acceptance**, preselection of data services and **multiple data network** identification codes.

Non-packet services added in South-western Bell's May ONA filing are interoffice CLASS (Custom Local Area Signaling Service) features, such as

18/3,K/10 (Item 3 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

01139664 SUPPLIER NUMBER: 00619257  
**New-Generation Intelligent Switches Are Resource-Sharing and Revenue-Generating.**  
Mark, B.  
Communications News, v22, n5, p54-56  
May, 1985  
DOCUMENT TYPE: evaluation ISSN: 0010-3632 LANGUAGE: ENGLISH  
RECORD TYPE: ABSTRACT

ABSTRACT: In the mid-1970s, the Defense Communications Agency's ARPANET paved the way for the present message **packet -switching networks**. The

Intelligent Business Communications switch, the CSX-1024, ties together telex, teletext, packet-switched and data communications, various interfaces, and automated equipment. Such a **multiple** system also performs **network** functions and manages network control processes. The switch's routing features and **billing**, multibus and multi-protocol capabilities **permit** least-cost routing and network flexibility. A **billing** package **allows** for **billing** the network users. A block diagram shows the system architecture involved in this new generation switch. Equipment duplication and management confusion over communications can be...

26/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

01904546 SUPPLIER NUMBER: 17953495 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Netting a kill. (Interactive Creations Inc's Warbirds wargame; includes  
related article on tips for getting started with WARBIRDS) (Product  
Announcement)**

Atkin, Denny

Computer Gaming World, n140, p193(2)

March, 1996

DOCUMENT TYPE: Product Announcement ISSN: 0744-6667 LANGUAGE:

English RECORD TYPE: Fulltext

WORD COUNT: 1321 LINE COUNT: 00106

... you'll find Warbirds 1.0 on the disc.

CG-ROM

WARBIRDS costs \$2/hour to play (\$1.75/hour if accessed using the CRIS  
Internet provider), with a minimum monthly **charge** of \$10. The front-end  
**allows** you to fly solo to practice your airmanship, but you won't find any  
other aircraft in the skies until you log on. For more information on the  
**sim**, point your web browser to <http://www.icigames.com>,  
[emailgunjam@cris.com](mailto:emailgunjam@cris.com), or see the WARBIRDS directory on this issue's CD-ROM.  
DAWN PATROL..

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TDBD	l2 same (l3 or l4) same l5 same l7	0	<u>L8</u>
TDBD	l6 near5 (payment\$2 or pay\$3 or charge or charges or compensation or bill or bills or billing)	214	<u>L7</u>
TDBD	authori\$7 or allow\$7 or validat\$7 or verif\$7 or permit\$7 or authenticat\$7 or accept\$7 or approv\$7	33706	<u>L6</u>
TDBD	(packet or ip or isp or internet adj provider\$1) adj2 network\$ or internet\$7 or web or extranet\$7	729	<u>L5</u>
TDBD	(multi or multiple or plural\$7 or two or second) adj3 network\$3	219	<u>L4</u>
TDBD	(second\$3 or 2nd or intermediat\$7 or middle\$7 or roam\$7 or intermediar\$7 or two) adj5 l1	160	<u>L3</u>
TDBD	(first or 1st or one or origina\$7 or home or user\$1 or subscriber\$7 or caller\$1 or calling adj part\$3 or customer\$1 or client\$1 or shopper\$1) adj5 (l1 or pots or pstn\$1)	423	<u>L2</u>
TDBD	network\$7 or (telecom or telecommunication\$1 or wireless or mobile or gsm or cellular or radiophone\$) near3 (system\$1 or telephon\$2 or phone\$1 or operati\$3)	4986	<u>L1</u>



Set	Items	Description
S1	117485	NETWORK?(NOT 5N) (IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?) (3N) (SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	12815	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR SUB- SCRIBER? OR CALLER? ? OR CALLING() (PARTY OR PARTIES) OR CUSTO- MER? ? OR SHOPPER?) (5W) (S1 OR PSTN? ? OR POTS)
S3	1623	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?) (5W) S1
S4	2334	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND) (3W) NETWORK- ? (NOT 5N) (IP OR INTERNET)
S5	69448	(PACKET OR IP OR ISP) (2W) NETWORK? OR INTERNET? OR (WORLDWI- DE OR WORLD() WIDE) (2W) WEB OR EXTRANET?
S6	105078	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV? OR SETTLE? OR SETTLING
S7	5062	S6(5N) (PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSA- TION OR BILLING OR (BILL OR BILLS) (NOT 5N) (HOUSE OR LEGISTAT? OR LEGAL OR CONGRESS OR REPRESENTATIVES OR CLINTON OR SENATE - OR GATES OR HR))
S8	3	S2(S) S3(S) S5(S) S7
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S10	11	(S3 OR S4) (S) S5(S) S7
S11	3	S9 NOT PY=2000:2001
S12	8	S10 NOT S11
S13	5	S12 NOT PD=>19990503

11/3,K/1

DIALOG(R)File 696:DIALOG Telecom. Newsletters  
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00696584

**Estonia Set for Full Telecoms Competition**

Telecoms & Wireless Eastern Europe/CIS

October 29, 1999 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PYRAMID RESEARCH

LANGUAGE: ENGLISH

WORD COUNT: 1715

RECORD TYPE: FULLTEXT

(c) 1999 The Economist Intelligence Unit Ltd.

TEXT:

...Ministry of Transport and Communications (MTC).

The country is also striving forcefully to meet EU guidelines in competition-related matters. Its mobile, data communications and **Internet** sectors are already open for competition and have shown remarkable results. At the end of 1998, Estonia boasted the highest cellular penetration (17.2%) among...

...Eesti Mobiiltelefon (a joint venture between Eesti Telecom, Telia of Sweden and Sonera of Finland) launched an NMT 450 network in 1991 and became the **first** operator of a GSM **network** in January 1995; Radiolinja Eesti (a joint venture between Radiolinja OY of Finland and Estonian investors) launched the nation's **second** GSM **network** in 1995; and the third GSM operator Ritabell (owned by NetCom AB of Sweden and the Estonian media company Levicom) entered the market in 1997...

...2001 and, by putting an end to cross-subsidisation between services and customer groups, should lead to the introduction of a relatively transparent and fair **billing** system. **Approval** of the January 2001 liberalisation date will thus not only place Estonia among the first Eastern European countries to open up all segments of its...of FO cable in operation. ET is preparing to offer Asymmetric Digital Subscriber Line (ADSL) connections by 2000 and has recently started aggressive advances in **Internet** services. At the end of 1998, ET created Atlas, a new brand for providing **Internet** dial-up connections. In the first nine months of operation, Atlas has acquired 23% of Estonia's **Internet** dial-up accounts, and after announcing free **Internet** service at the beginning of October, it increased its subscriber base by more than 9,000.

At the same time, while it has made impressive...

...providing DLD and ILD services starting in 2001. Among the favourites are:

\* NetCom AB, Scandinavia's largest operator based in Sweden, which provides basic telephony, **Internet** and datacoms services in Sweden, Denmark and Norway under the brand name Tele2. NetCom has

11/3,K/2

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00689381

**United Kingdom - UK government to appeal against ruling on roaming \agreements**

International Telecommunications Intelligence

September 02, 1999 ISSUE: 736 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: ESPICOM LTD.

LANGUAGE: ENGLISH

WORD COUNT: 222

RECORD TYPE: FULLTEXT

(c) ESPICOM BUSINESS INTELLIGENCE LTD. ALL Rts. Reserv.

TEXT:

...Industry (DTI) minister Helen Liddell stated:  
"Without roaming a new company will be at a significant disadvantage to existing operators." The DTI believes that roaming **charges** should be set to **allow** new operators to compete effectively and provide an incentive to rollout their networks quickly. New operators will have until 2007 to cover 80% of the...

...licence will be reserved for a new entrant.

The government also confirmed preparations to provide new entrants with the right to roam onto at least **one second** -generation **network** while their own infrastructure is under construction (see ITI Issue 660). Third-generation mobile technology will allow transmission speeds of up to 200 times faster than at present, allowing users to surf the **Internet**, download E-mails, music, and high-quality pictures and hold video conferences.

...

11/3,K/3

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00638252

**Global: Subscriber Billing**

Telecommunications Development Report

October 31, 1997 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PYRAMID RESEARCH

LANGUAGE: ENGLISH

WORD COUNT: 6791

RECORD TYPE: FULLTEXT

(c) 1997 The Economist Intelligence Unit Limited

TEXT:

...dispute are usually paid late or not at all. Automated call detail record data collection is additionally a technology prerequisite to countering delinquent accounts and **subscriber** fraud on the **network**. In addition, many regulators acting on behalf of consumers in privatising or liberalised markets have set quality minimums for bill statement accuracy, which may mean...trends fundamentally changed the nature of billing systems. First came the rise of new opcos, starting primarily in cellular, then expanding to data services including **Internet** and on-line services. At the same time, the cable TV industry required more complex billing services to support features such as pay-per-view...  
...based software is reputedly easy to program and modify, making it simple to adapt billing of new types of services (i.e. wireline, wireless, data/**Internet** and other utilities) or to add new software applications with relatively little customisation. At the same time, Unix has lowered the barrier to entry into **billing** systems applications, **allowing** non-traditional companies to enter the market.

These two trends changed a traditionally staid back office industry into a competitive market filled with multiple suppliers...Price

Waterhouse  
(Entertainment, Media & Communications);  
Siemens; Hewlett-Packard.

Kingston-SCL

Jupiter (billing system); Abalon (life-cycle customer care);  
(also **bill verification**

\* ASTEA International; Motorola Network Ventures Division (preferred supplier

as

and testing equipment) Business Support and Control System (BSCS)

of March 1996).

LHS Communications

\* Microsoft (integrating BSCS with Microsoft's Commercial

**Internet** system); Sun  
Microsystems.

Logica	Front Office Support for Telecommunications (FROST)	* New Jersey Telecoms (co-developer of FROST); LHS Communications (BSCS billing system); Open Market Inc. (developing <b>Internet</b> transaction applications)
Moscom	INFO/MDR; Verabill IS	-
Perot Systems	-	* Acquired Commsys (billing provider) in Sept. 1996; Asia joint venture with Himachal Communications Ltd. (HCL).
Price...		
...options include Ingres, DB2, Oracle and Sybase (AIX, SQL, OS/400).		
CSG Systems	-	
Daleen Technologies	* Unisys (runs on SQL, supports EDI). * Informix RDBMS and TCP/IP <b>networking</b> .	
EDS Communications Industry Group (CIG)	-	
EDS Output Management Services (OMS)	* Also provides outsource billing services.	
Ericsson Hewlett-Packard Telecommunications...Phoenix	* HP defines the platform as 'billing Wireless WLL deployment.	
China (Hong Kong)	* Dragon Systems is a division of HKT and handles the provider's billing system needs.	
China (Hong Kong)	* <b>First</b> delivered CABS billing <b>system</b> for analogue <b>cellular</b> in 1985; installed CABS2000 billing for GSM system in 1995.	
China (Hong Kong)	* ISIS used for wireline operations as Hutchison's local loop billing platform...to integrate paging, interactive services, pay-per-view billing services over next three years.	
Korea	* Billing platform for CDMA PCS.	
Korea \$5	* Implementing portions of Integrated <b>Customer</b> Information <b>System</b> (ICIS) for Korea <b>Telecom</b> under million contract won in Sept. 1996.	
Malaysia in addition to other	* Licensed in 1996, configured to serve wireless, wire line, international gateway and cable TV markets with...Colombia	* Provides telephone billing utilities. * Installed Unisys A18 client/server architecture: two A12 servers; Unisys Micro, U6050 and PW2 computers; TCP/IP <b>network</b> equipment; and TransIT ODBC.

Dominican Republic \* Installed customer billing service system (CBSS) billing platform.

Mexico \* Installed Mobile2000 billing system with a customised Spanish-language interface...Ukraine

\* Turnkey contract of switching, transmission, network management and billing systems.

Ukraine \* Supplied billing system as a subcontractor to Siemens GSM network turnkey contract.

#### Africa/Middle East

Bahrain \* **GSM billing system** awarded in 1994 with an estimated value of \$1.9 million. \* GSM contract followed by \$11.7 million wire line contract, awarded in April 1996...

...clients. \* Billing system will support about 227,000 homes.

Lebanon \* Supplied billing and administration system for network.

Lybia \* Won turnkey contract for GSM network including **billing** centre and **authentication** centre.

Nigeria NITEL manages **bill** collection, while Digital Telecom prints and sends the bills for the ETACS cellular network.

Qatar \* Supplied ISIS GSM billing/customer care contract valued at \$2...

...lost or damaged tape. Another reason to gather billing data in near real-time, however, is to deal with problems of subscriber fraud or delinquent **payments** as they occur, rather than **allowing** these issues to slide until the end of the payment cycle.

Two companies active in the field of supplying data collection equipment for international markets...usually hesitant to acknowledge these problems publicly. However, opcos in the Philippines and Pakistan have over recent years revealed massive purging programmes to remove delinquent **customers** from the **network** .

Globe Telecom in the Philippines has been one opco to come forward about its fraud statistics. The company pointed toward cellular phone fraud as responsible for the provider's net loss of \$19 million during the first half of 1996. Globe found and removed 23,000 fraudulent **customers** from its cellular **network** , at the same time revising its 100,000-subscriber target for year-end 1996 down to 65,000 subscribers. Piltel admitted having similar difficulties with...

?

13/3,K/1

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00643753

**IT'S A WRAP! INTELLIGENT NETWORKS FORGED AHEAD IN 1998 Players Dug Into Market Despite Regulatory Hurdles**

INTELLIGENT NETWORK NEWS

December 9, 1998 VOL: 8 ISSUE: 25 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH

WORD COUNT: 2197

RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

...Cisco

paid \$145 million in common stock and cash to grab Selsius, a 51-employee supplier of network PBX systems for high-quality telephony over **IP networks**. Through the acquisition, Cisco began to accelerate the transition from conventional, proprietary circuit-switched PBXs to multiservice, open LAN systems capable of aiding the next...outlining provisions of dealing with wireless enhanced 911 service. Ten more states are in the process of considering such legislation.

\* The House Commerce Committee unanimously **approved** a nationwide E-911 **bill** (H.R. 3844) Aug. 5, sending the legislation onto the full House for consideration. The bill's highlights: The Federal Communications Commission designates 911 as...free phone, local, national and premium rate numbers prefixed 08 or 09.

\* Lucent Technologies [LU] won a contract with China Unicom in September. China's **second** largest **network** provider, will buy Lucent's 5ESS AnyMedia switches and equipment for \$25 million to establish long-distance service in 23 Chinese cities. The service will...

13/3,K/2

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00636993

**VSATs dominate India's private data networks**

Telecoms & Wireless Asia

April 8, 1997 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PYRAMID RESEARCH

LANGUAGE: ENGLISH

WORD COUNT: 2063

RECORD TYPE: FULLTEXT

(c) 1997 The Economist Intelligence Unit Limited

TEXT:

...operate separate VSAT networks providing alternative data communications facilities, which until the liberalization of the datacom market were limited to the country's two public **packet** switched data **networks** - the DoT's I-NET and VSNL's international Gateway Packet Switching System (GPSS) network (see "Private Operators Gear Up for India's Fledgling VSAT...

...grow to 100

customers by year end 1997

High Speed Data Links

VSNL

245 (as of March 31, 1996)

Network

Description

I-NET

E-mail, **Internet** connectivity, travel reservations, credit card verification, data base services, information retrieval, and intra company communications. Nodes are operational in 50 cities. According to DoT, another...be

charged more than US\$1.39 (Rs 50) per kilobyte of data, and US\$2.36 (Rs 85)

per minute of voice. Operators are **allowed** to **charge** customers US\$278 (Rs 10,000) per month per VSAT as network access/monthly subscription charges.

Despite competitive tariff rates, VSAT equipment prices in India...

...shared-hub network able to support up to 200 terminals is in the region of US\$6.94 million (Rs 250 million); a Demand Assigned **Multiple** Access (DAMA) **network** supporting 100 terminals is in the region of US\$2.77 million (Rs 100 million). Exhibit 4 illustrates VSAT equipment pricing in India.

India...

13/3,K/3

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00636969

**Exciting times ahead for mobile telecoms in Singapore**

Telecoms & Wireless Asia

May 5, 1997 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PYRAMID RESEARCH

LANGUAGE: ENGLISH

WORD COUNT: 2566

RECORD TYPE: FULLTEXT

(c) 1997 The Economist Intelligence Unit Limited

TEXT:

...the capacity of the network.

Singapore \* Network has an initial capacity of 160,000 Telecom subscribers. \* SingTel signed on 10,000 subscribers in the first **two** months of the **network** 's launch. \* Plans to allow subscriber roaming on Malaysian operator Mutiara Telecom's network as part of its PCN Autoroam service.

MobileOne \* Nokia will provide...13.78

\$25

Hutchison Paging

\$6.89

\$13.85

\$25

Notes: All charges are monthly. All paging packages include value added services (eg. voice mail, **Internet** paging), which are chargeable or free of charge, depending on operator and service package.

\*Prices conditional upon customers signing up for two months upfront.

Source...the effects of competition, TAS introduced number portability so that cellular and paging subscribers who switch operators can keep their existing numbers. However, SingTel is **permitted** to **charge** mobile phone users for number portability services, and it levies a one-time registration fee of US\$14.18 (\$20) as well as monthly...

13/3,K/4

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00634733

**GRIC REDUCES PAIN FOR COMPANIES**

INTELLIGENT NETWORK NEWS

November 11, 1998 VOL: 8 ISSUE: 23 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH

WORD COUNT: 368

RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

A West Coast network systems supplier for **Internet** service

providers and telecommunications companies has eliminated a major headache for billing offices and customers.

Milpitas, Calif.-based GRIC Communications Inc. released on Nov. 2 a Java-based **Internet** billing software system capable of tracking and invoicing multiple IP services in a single platform. The result is a single bill for a customer with...

...GRICbilling 3.0 software is a component of GRIC Convergent Services Platform - an intelligent and distributed software product that provides multiple IP services. These include **authentication /roaming**, intelligent routing, **network** management, **billing**, **settlement** and 24-hour by 7-days-a week network monitoring services.

"It is a very critical software platform for **billing** and **authentication**, so it's definitely going to help our customers," says Stephen Loudermilk, a spokesman for Murray Hill, N.J.-based Lucent Technologies [LU], which is...

...using this GRIC CSP platform, but we do use GRIC protocol and our servers are supported in the GRIC network," he says. "In terms of **billing** and **authentication** - the main capabilities of the software product - we see a lot of good functionality."

The platform supports convergent billing and is offered in two configurations...

...include billing and invoicing, reports, payment processing and customer care.

The development kit, planned for release in early 1999, is an additional product that allows **Internet** service providers and third-party system integrators to customize for future add-on services, says Melvin Hale, GRIC senior product manager. The Convergent Services Platform...

13/3,K/5

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00614458

**Internet Fax Vendors Find Allies GRIC-Open Port, NetCentric-iPass Join Forces**

ISP BUSINESS NEWS

May 18, 1998 VOL: 4 ISSUE: 20 DOCUMENT TYPE: NEWSLETTER

PUBLISHER: PHILLIPS BUSINESS INFORMATION

LANGUAGE: ENGLISH WORD COUNT: 743 RECORD TYPE: FULLTEXT

(c) PHILLIPS PUBLISHING INTERNATIONAL All Rts. Reserv.

TEXT:

As the dust begins to settle on the **Internet** fax arena, still a nascent market with few players and not many profits, several core players stand out from the crowd selling in the enterprise...

...UUNet, Equant and CompuServe.

Fax Exchange

NetCentric is taking a different approach with the backbone market. The company, which deployed its FaxStorm solution with GTE **Internetworking** [GTE] and PSINet [PSIX], wants to use iPass as part of the service it's developing in order to facilitate fax exchange with ISPs' peering...

...s fax network and a local Mexican data network that would have a denser network with more POPs deployed across the country. NetCentricwill



arrange for two networks to physically peer, Fleming says, and iPass will handle **settlement** and **billing**. Both networks would be able to lower their expenses on Net faxing, since faxes will be traveling farther over data networks.

Both strategies would have...for a settlement partner about two years ago, it picked iPass because "GRIC seemed more focused on Asia and the Pacific Rim back then."

GTE **Internetworking** plans to announce iPass-based roaming service in about two months. (Jon Fleming, NetCentric, 617/720-5200, ext. 128, Steve Zalewski, Jon Porter, GRIC, 408...

File 9:Business & Indust (R) Jul/1994-2001/Jul 31  
(c) 2001 Resp. De Svcs.  
File 623:Business Week 1985-2001/Jul W5  
(c) 2001 The McGraw-Hill Companies Inc  
File 810:Business Wire 1986-1999/Feb 28  
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File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 20:World Reporter 1997-2001/Aug 01  
(c) 2001 The Dialog Corporation  
File 636:Gale Group Newsletter DB(TM) 1987-2001/Jul 31  
(c) 2001 The Gale Group

Set	Items	Description
S1	2733957	NETWORK?(NOT 5N)(IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?)(3N)(SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	275161	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR SUB- SCRIBER? OR CALLER? ? OR CALLING() (PARTY OR PARTIES) OR CUSTO- MER? ? OR SHOPPER?)(5W)(S1 OR PSTN? ? OR POTS)
S3	45560	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?)(5W)S1
S4	54021	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND)(3W)NETWORK- ?(NOT 5N)(IP OR INTERNET)
S5	2460954	(PACKET OR IP OR ISP)(2W)NETWORK? OR INTERNET? OR (WORLDWI- DE OR WORLD()WIDE)(2W)WEB OR EXTRANET?
S6	6645862	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV? OR SETTLE? OR SETTLING
S7	206191	S6(5N)(PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSA- TION OR BILLING OR (BILL OR BILLS)(NOT 5N)(HOUSE OR LEGISTAT? OR LEGAL OR CONGRESS OR REPRESENTATIVES OR CLINTON OR SENATE - OR GATES OR HR))
S8	2	S2(S)S3(S)S5(S)S7
S9	2	RD (unique items)
S10	32	(S3 OR S4)(S)S5(S)S7
S11	30	S10 NOT S8
S12	29	RD (unique items)
S13	21	S12 NOT PY=2000:2001
S14	18	S13 NOT PD=19990503:19991231
S15	18	S14 NOT S8
S16	16	S2(S)(S3 OR S4)(S)S7
S17	11	S16 NOT (S8 OR S10)
S18	9	S17 NOT PY=2000:2001

9/3,K/1 (Item 1 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
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04723938 Supplier Number: 63511400 (USE FORMAT 7 FOR FULLTEXT)  
**TELECOMMUNICATIONS: COMMISSION LIFTS VEIL ON NEW REGULATORY FRAMEWORK.**  
European Report, pNA  
July 15, 2000  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 1705

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...which will apply to all satellite and terrestrial networks, including both fixed and wireless networks, i.e. the public switched telephone network, networks using the **Internet** Protocol (IP), cable television, mobile and terrestrial broadcast networks. By contrast it does not cover services such as broadcast content or electronic commerce services. Another ...and numbers. The text draws up a list of conditions attached to general authorisation, imposes rigorous restrictions on the right to use radio frequencies, and **authorises** the levying of **charges** for the use of radio frequencies and numbers. By simplifying this authorisation regime, the Commission hopes to significantly reduce the administrative costs currently associated with...telephony network for making and receiving local, national and international telephone calls, fax communications and data transmissions at speeds sufficient to permit access to the **Internet** ; - operator and directory ...per call is not required), information to be included in contracts, operator assistance services, portability of numbers (scope for retaining the same number when a **subscriber** to a fixed or **mobile telephony** service changes operator; the novelty being the extension of portability to mobile telephony); obligations regarding the selection and pre-selection of operators by users, which...The proposal does not make any major modifications but updates definitions in order to cover new forms of electronic communication (data transmission, use of the **Internet** ). For example, Article 12 of Directive 97/66/EC protected subscribers against unsolicited calls. The new text refers to unsolicited communications, in order to cover...elements of the eEurope action plan approved at the Feira Summit in Portugal. The "local loop" is the final segment of the telecommunications network linking **subscribers** to local switches. The **network** remains one of the least competitive segments of the liberalised telecommunications market. Allowing unbundled access to the local loop means authorising new entrants to use...fully control the commercial relationship with their clients. The introduction on this network should, according to the Commission, permit a substantial reduction in costs for **Internet** use and rapid expansion of high-output **Internet** access. The key provisions of the proposal for a regulation are as follows:- Notified operators shall make available to third parties totally unbundled access to...of the sectoral enquiry concerning telecommunications, approved by the Commission on 27 July 1999. The two previous segments of the enquiry concerned rented lines and **roaming** agreements in **mobile telephony** and were launched at the end of 1999 and the beginning of 2000.--...

9/3,K/2 (Item 2 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
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02919128 Supplier Number: 45936733 (USE FORMAT 7 FOR FULLTEXT)  
**-SIDEWIRE...**  
Telecomworldwire, pN/A  
Nov 14, 1995  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 630

... applications to local communities, schools and businesses in the USA and Canada by ISDN... Win a cruise to the Antarctic by visiting the Virtual Antarctica **Internet** WWW site at <http://www.terraquest.com/> and participating in an online promotion... A newly-passed **bill** in the USA will **allow** candidates for federal office to file campaign finance reports with the Federal Election Commission by computer rather than on paper, although Senate approval is needed...

...Peter Rinearson: the book is nearly a year behind schedule... BELLSOUTH CORP in the USA has formed agreements with other telcos to allow its PCS **customers** to **roam** on **networks** owned by Pacific Telesis Group, Telephone and Data Systems Inc's American Portable Telephone Inc, PowerTel PCS, Omnipoint Corp and Western Wireless Co--providing 50...

...they had access to computers, only 42% of those surveyed said they used computers as part of their curriculum... Direct Connect has introduced a new **Internet** WWW for Rush Limbaugh, detailing his ties and hankies through the No Boundaries Collection' at <http://www.rushties.com/>... OMNITEL PRONTO, a consortium which operates the **second** GSM cellular **network** in Italy, says that the service will cover 40% of the country by early December--marking the time when it can first market full service...

...market trial of a new voice-activated dialling service in a trial through SaskTel's VoiceConnect service in Canada... EXABYTE CORP has introduced an new **Internet** WWW page to give details on the company's range of products and services--access by <http://www.exabyte.com/>... ACC CORP says that ACC...

-more-

?t /3,k/all

15/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02125237 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Ericsson Teams With Delta Three For Net Telephony**  
(Ericsson (Stockholm, Sweden) develops one-stop-shop range of Internet telephony services for telecommunication carriers and Internet service providers (ISPs))

Newsbytes News Network, p N/A

April 30, 1998

DOCUMENT TYPE: Journal ISSN: 0983-1592 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 793

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least-cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real-time **billing** is provided with fraud prevention and a call duration advice system with the integrated voice response software.

To launch IPTC globally, Ericsson has teamed up...

15/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2001 Resp. DB Svcs. All rts. reserv.

01684913 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Internet Company Intros Messenger Push Publishing**  
(Internet Co unveils Messenger client-server software product, designed to let publishers "push" data to large numbers of users, while customizing content for individual desktops)

Newsbytes News Network, p N/A

December 10, 1996

DOCUMENT TYPE: Journal (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 777

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

CAMBRIDGE, MASSACHUSETTS, U.S.A., 1996 DEC 10 (NB) -- By Jacqueline Emigh. The **Internet** Company unveiled Messenger, a new **World Wide Web** -based client-server software product, based on an adaptation of User Datagram Protocol (UDP) that is designed to let publishers "push" data to large numbers of users over the **Internet** and intranets, while customizing content for individual desktops. During a news teleconference which was attended by Newsbytes, company executives said that Messenger, a technology already in use by Interconsult for the **World Wide Web** -based HOS (Health Online Services), lets publishers engage in multicasting broadcast information to end users over multiple private channels. Messenger can also give publishers the...

...in print publishing, asserted Robert Raisch, chief scientist, and Jeffrey Dearth, senior vice president of sales and marketing for the Cambridge, Massachusetts-based specialist in **Internet** services and products. Additional customers of The **Internet** Group have included Burda,

Ziff- Davis Interactive, Electronic News, the Boston Globe, and the New York Times. "Rather than publishers being aggregated, (Messenger) allows them...

...form of the packet-based UDP. "There's a tremendous amount of overhead involved in supporting real-time," Raisch asserted. UDP also appears in other **Internet** -based products, such as **Internet** Radio and **Internet** Phone. But the "U" in the UDP acronym can just as easily be understood to represent "unreliable" as "user," according to the two execs. For that reason, The **Internet** Company has added capabilities that include acknowledgment and resending, as well as fragmenting and reassembling packets traveling over **multiple networks**, said Raisch. The **Internet** Company has dubbed the adapted protocol RDP, for "Reliable Data Protocol." Also, by working at a lower application layer, just above transmission control protocol (TCP...

...version at <http://english.hos.de> ). Bulletin Board allows ads to be "pushed" to physicians specializing in various medical fields, as well as give doctors **authorized** access, free of **charge**, to Web server-based information services such as Medline, and interactive services like chat. By double-clicking on an ad panel, the user automatically launches...

...product will add a new feature called "priority message" that will let publishers deliver messages as pop-up alerts, Dearth revealed. (19961209/Reader Contact: The **Internet** Company, 617-547-3600; Press Contact: Bob Keener, The **Internet** Company, 617-547-3600. Reported by Newsbytes News Network: <http://www.newsbytes.com>)!  
...

15/3,K/3 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01213433 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Australian Microsoft Network Attracting Unwanted Interest**  
**(On Australia is under test in Australia)**  
Newsbytes News Network, p N/A  
June 09, 1995  
DOCUMENT TYPE: Journal (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 493

ABSTRACT:  
The Australian implementation of Microsoft network is already stirring up the local industry, although it is not being officially launched for another **two** months. Microsoft **Network** is the worldwide online information system that ships as part of Windows '95. Microsoft Network will be operated as On Australia in Australia, a 50/50 joint venture between carrier Telstra and software giant Microsoft. It has been operating under test for a few months and is scheduled to start **accepting paying** users on August 1, almost a month before the official launch date of Windows '95. While eagerly awaited by many Australian PC users, the service has attracted a great deal of adverse comment from some Australians such as journalists and **Internet** service providers. The latest unrest centers around the hiring of a PC Week journalist to work on online news for the service. Thomas Liddle will...

15/3,K/4 (Item 1 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2001 McGraw-Hill Co. Inc. All rts. reserv.

00786373  
**NO GREAT WALL ACROSS THE NET: Beijing wants to control online access, but enterprising Chinese are slipping through**  
Business Week August 26, 1996; Pg 24; Number 3490

Journal Code: BW ISSN: 0007-7135  
Section Heading: Business Week International Editions: Asian Business:  
CHINA  
Word Count: 1,337 \*Full text available in Formats 5, 7 and 9\*

BYLINE:

By Dexter Roberts in Beijing

TEXT:

... eventually to see a liberalization that breaks the grip of the MPT, the telephone company that serves as both regulator and competitor in China's **Internet** industry. For instance, the ministry has ultimate authority over granting commercial **Internet** licenses and also controls the international links necessary to get onto the Net. Only the MPT, Jitong, and the **two** academic **networks** have gateways of their own. All other service providers have been required to use the MPT's international gateway. This **allows** the telecom ministry to **charge** exorbitant rental fees, more than three times higher than those outside China.  
``GARBAGE.'' Fearing a clampdown, some Net providers are policing themselves. Beijing Information Highway...

15/3,K/5 (Item 1 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

03111668

**NEW! EtherPeek(TM) for Windows Release to Debut at NetWorld+Interop**  
PR NEWSWIRE  
October 14, 1998  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 947

... capture files to and from the "Peeks" and LANalyzer, Sniffer (including compressed format), Microsoft NetMON, Intel's NetSight and NetDesk, Triticom's LANdecoder, HP's **Internet** Advisor, and more. Pricing, Availability and System Requirements EtherPeek v.3.5 for Windows will ship in November, 1998. The EtherPeek 3.5 upgrade is...

...AG Group, Inc. AG Group, Inc. specializes in the development of powerful and cost-effective software-based tools to troubleshoot, optimize and maintain mixed-platform, **multi** -protocol **network** environments. The company's goal of bringing superior technology, accessibility, value and flexibility to the ever-expanding realm of network management incorporates both software and service products. Currently, AG Group offerings include network protocol analyzers, LAN/WAN traffic monitors, and **internet** utilities, as well as network management training and consulting

15/3,K/6 (Item 2 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

02890931

**Tekelec Enhances EAGLE and MGTS Product Lines; PCS and -2-**  
BUSINESS WIRE  
September 22, 1998  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 443

... of advanced communication products and services for the global communications marketplace. Tekelec's Eagle platform is designed to meet the complex requirements of the converged **IP /SS7 network** and traditional SS7 networks, enabling wireline, wireless and **IP network** operators to deliver intelligent network services. Tekelec's diagnostic systems are used by communication suppliers and service providers to design, install and maintain their communications...

15/3,K/7 (Item 3 from file: 20)  
DIALOG(R)File 20:World Reporter  
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02889568

**INRANGE Technologies Offers Service Provisioning and Management Solutions  
for Competitive Local Exchange Carriers**

BUSINESS WIRE

September 22, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 757

... 13000 Midlantic Drive Mount Laurel, New Jersey 08054 Phone:  
609-234-7900 800-222-0187 Fax: 609-778-8700 E-mail: larry.reilly@inrange.co  
m **Internet** : http://www.inrange.com CONTACT: Larry Reilly (609) 439-3072  
08:31 EDT SEPTEMBER 22, 1998

15/3,K/8 (Item 4 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

01574899 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**NetWorld+Interop '98 Exhibitor News Summary Through May 7, 1998**

BUSINESS WIRE

May 07, 1998 20:6

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 232

... Unveils Network-Attached SureStore CD-ROM Solutions for Fast  
Ethernet Environments; Workgroup Users Get Fast, Easy, Reliable Access to  
Critical CD-ROM Data IBM's **Middleware** Products Win **Network** Computing's  
Well-connected Awards Wandel & Goltermann's Mentor Interactive Expert  
Analysis System Wins Best-of-Show at Networld+Interop Siemens Unveils **IP**  
**Extranet** **Network** of the Future and Modular Customer Migration Path  
Tivoli Systems Wins Product-of-the-Year at Network Computing's 1998  
Well-Connected Awards Cabletron Unveils...

15/3,K/9 (Item 5 from file: 20)  
DIALOG(R)File 20:World Reporter  
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01540615 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**ERICSSON: Ericsson pioneers IP telephony services - launch of Internet  
Telephony Solution for Carriers**

M2 PRESSWIRE

April 30, 1998

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 442

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... alarm information.

Other features included in the IPTC platform are least cost routing,  
dynamic route allocation, multiple IP networks support, and the ability to  
handle **validated** and unvalidated traffic. Real Time **Billing** is provided  
with fraud prevention and a call duration advice with the integrated voice  
response software.

Ericsson's 100,000 employees are active in more...

15/3,K/10 (Item 6 from file: 20)  
DIALOG(R)File 20:World Reporter  
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01451969 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Ericsson Teams With Delta Three For Net Telephony**

Sylvia Dennis

NEWSBYTES

April 30, 1998

JOURNAL CODE: FNEW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 769

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... alarm information.

Other features included in the IPTC platform are least-cost routing, dynamic route allocation, multiple IP networks support, and the ability to handle **validated** and unvalidated traffic. Real-time **billing** is provided with fraud prevention and a call duration advice system with the integrated voice response software.

To launch IPTC globally, Ericsson has teamed up...

**15/3,K/11 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

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04157451 Supplier Number: 54495609 (USE FORMAT 7 FOR FULLTEXT)

**TELEPHONY.**

Communications Daily, v19, n80, pNA

April 27, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 2949

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Electric Co. (GEC) plans to acquire Pittsburgh-based Fore Systems in GEC bid to become key U.S. competitor for asynchronous transfer mode (ATM) and **Internet** protocol (IP)-based switching. Purchase price of \$35 per share marks 43% premium over Fore's closing price Fri. GEC described acquisition as providing access...

...will be accretive, company said. "We will now be in a position to capture the full benefits of the impact of the explosive growth of **Internet** and other data traffic on the demand for communications equipment and systems," said GEC Chief Executive George Simpson. Marconi Communications arm of GEC, which isn...

...for deploying undersea global network. Without acquisition, Global Crossing had planned to pay outside companies \$80-\$100 million annually to install and maintain its undersea **Internet** protocol-based fiber network. Global Marine, which marks Global Crossing's largest acquisition since agreeing to merge last month with Frontier Communications, will operate as ...our prospects for growth are pretty strong." In Latin America, BS ended 1998 with 3 times more customers than expected, he said. Citing growth in **Internet** protocol-based services, Frontier Communications reported 6.8% increase in revenue to \$674.83 million for quarter ended March 31. Frontier, which last month announced...

...7-year, \$63-million contract to provide high-speed broadband and data services to facilities-based CLEC Advanced TelCom Group (ATG). Qwest will provide dedicated **Internet** access, frame relay, private line, dark fiber and long distance to ATG, based in Santa Rosa, Cal. Fueled by strong growth in data and wireless...

...with plans to expand offerings to other markets. Ericsson won contract from Croatian wireless operator VIP-Net to deliver base station subsystems for new nationwide **GSM** wireless network. System, Croatia's **2nd GSM network**, is scheduled to begin commercial operation in July. Coverage areas are expected to expand to 90% of population next year. Telecom

Events: (1) American Enterprise...in FCC's recently launched proceeding on whether incumbent telcos nationally must share their voice lines with competitors providing high-bandwidth data services such as **Internet** access. Bill would give PUC 90 days after FCC issues final line-sharing order to implement line-sharing rules for Cal., consistent with FCC requirements. If FCC doesn't act by Jan. 1, **bill** would **permit** PUC to develop and implement line-sharing rules on its own, but wouldn't compel action or set implementation deadlines. Measure has support of 29...

...safety net for low-income households by expanding eligibility criteria, and denied unfair "windfall" to local exchange competitors from reciprocal compensation payments on dial-up **Internet** calls. Arbitrator for Cal. PUC ruled that agency's decision last fall requiring incumbent telcos to pay CLECs' reciprocal compensation on dial-up **Internet** access calls still is operative and requires Pacific Bell to pay all of disputed compensation on local calls to ISPs served by Stockton-based Pac

15/3,K/12 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04084170 Supplier Number: 53690895 (USE FORMAT 7 FOR FULLTEXT)

**Making the euro pay.**

Electronic Payments International, n139, pNA  
Feb, 1999

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1162

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...already evidence of the first waves of protest from the business sector. Businesses feel that banks are making a quick profit on their behalf for **accepting** euro **payments** with very little commercial acumen. There are several challenges from a payments perspective at both a business and industry level. These issues will need to...

...there is a plethora of different systems. These vary from domestic branch networks carrying payments transactions; domestic ATM networks; domestic Eftpos networks; domestic high-value **payments** networks; domestic **authorisation** networks and domestic wholesale networks to **multiple** -clearing and settlement **networks** such as SWIFT, Euroclear and CEDEL; clearing houses; and cheque processing and clearing centres. Most of these systems are 'domestic', with only some of the...

...of great risk and economic impact. Four areas come to immediate attention when analysing the situation from an economic and risk mitigation perspective. They are **settlement** systems, high-value **payments** systems, clearing and switching networks for electronic payments and funds transfer, and automated clearing houses. The selection of Target as the network of choice to...

...access to the markets and customers that is attractive? The latter is the important agenda from a wealth-creation and business perspective. Just as the **Internet** and web gave unprecedented access to the global marketplace - destroying boundaries and barriers - the euro in one sweep will create and provide access to the...

15/3,K/13 (Item 3 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04077951 Supplier Number: 53642144 (USE FORMAT 7 FOR FULLTEXT)

**PULSECOM DELIVERS STANDARDS-BASED ADSL SERVICE SELECTION.**

Computer Protocols, v12, n2, pNA

Feb, 1999  
Language: English      Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count:    685

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...and click to switch among a variety of providers and networks. "The most important requirement for end users today is obtaining high-speed access to **multiple** providers and **networks** simultaneously without having to significantly change their PC or LAN environment," said Pulsecom's Vice President of Marketing Sassan Babaie. "As part of Pulsecom's...

...the future, providing them with a transparent solution that can interoperate with other vendors' ADSL modems. It also works with existing back-end systems for **authentication** and **billing**, protecting the substantial investments service providers have made in their infrastructure. In addition, Dynamic Connect supports both full-rate ADSL and, when used in conjunction...

...the WavePacer ADSL-8000 Modem, which is currently priced at \$479, U.S. list. Pulsecom (www.pulse.com) supplies communications access solutions to telephone companies, **Internet** Service Providers (ISPs), and Network Access Providers (NAPs) worldwide. Pulsecom's extensive product line ranges from Digital Loop Carrier (DLC) to high-speed **Internet** and broadband access solutions. More than 8 million voice and data access lines are in operation using Pulsecom equipment. Pulsecom is a member of the...

15/3,K/14      (Item 4 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04018599      Supplier Number: 53236117      (USE FORMAT 7 FOR FULLTEXT)  
**American Companies in Japan: SOFTWARE AND INFORMATION SERVICES.**  
Japan-U.S. Business Report, v1998, n348, pNA  
Sept 30, 1998  
Language: English      Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count:    4305

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...by a HI-TACHI, LTD. subsidiary. The former Hole-in-One site includes such services as travel and accommodations booking as well as a standard **Internet** search engine. The \$344,800 purchase adds about 300,000 hits per day to Excite's own 1 million daily hits at its Japan site...

...DAINIPPON PRINTING CO., LTD. put up the rest of the capital. Tokyo's SUNMEDIA K.K. has been granted distribution rights to the COS MEDLINE **Internet** -accessible life sciences and medical bibliographic information service developed by Johns Hopkins University and Community of Science, Inc., an international research consortium. The Japanese scientific... subscribers. They can drop off negatives or exposed film at any of 300 Konica outlets, where the images will be scanned for pickup via the **Internet**. EASTMAN KODAK CO. initiated a similar service in Japan early this year (see Japan-U.S. Business Report No. 341, February 1998, p. 19). The pioneer in **Internet** advertising, VALUECLICK, soon will strengthen its local presence. The Santa Barbara, California firm's pay-per-hit **Internet** advertising service has been available since last April through TRANS PACIFIC LTD., giving on-line advertisers and host Web sites a better idea of the...

...future for the polyglot chat software in Japan as well as elsewhere in Asia. TUMBLEWEED SOFTWARE CORP. is delivering a one-two punch to the **Internet** messaging market. First, it is completing localization of the latest version (2.0) of its Posta universal, secure document delivery

software for **Internet** service providers and other large network operators. Three companies are marketing the product (see Japan-U.S. Business Report No. 343, April 1998, p. 18...

...based Tumbleweed plans to open an office in Tokyo to support its marketing partners and to capitalize on the projected rapid development of Japan's **Internet** market. Also seeking a bigger piece of the carrier-scale messaging market is SOFTWARE.COM, INC. The Santa Barbara, California business recently opened a subsidiary...

...months (see Japan-U.S. Business Report No. 346, July 1998, p. 21). With that foundation, Software.com plans to bring its entire line of **Internet** messaging products to Japan, including the Business Advantage, Consumer Advantage, Web and Standard editions of InterMail. At the opposite end of the **Internet** messaging market, LOTUS DEVELOPMENT CORP.'s local unit has released electronic mail server-client software for customers using handheld computing devices powered by the Windows...

...news and discussion groups. OPEN MARKET, INC. has forged an alliance with a FUJITSU, LTD. systems integration subsidiary to localize, market and support its Transact **Internet** commerce package and LiveCommerce **Internet** catalog application. The Fujitsu unit will offer turnkey **Internet** commerce solutions based on the Burlington, Massachusetts firm's products as well as consulting and integration services. TV OBJECTS LTD. of Princeton, New Jersey has...company's move gives ITRON users instant access to a modern graphical user interface, a rich set of program and data object libraries, support for **Internet** protocols, e-mail and Java, and a full-featured HTML browser -- all of which requires very little memory and processing power. SOFTWARE DEVELOPMENT SYSTEMS, INC...

...operating systems (see Japan-U.S. Business Report No. 345, June 1998, pp. 18-19), DIGITAL EQUIPMENT CORP.'s subsidiary has set up a no-charge Web page that **allows** individual PC users to check their systems for problems that will occur after midnight, December 31, 1999. The DEC affiliate also is offering a CD...

...boost the appeal and the ease of use of its flagship TME 10 network management software, TIVOLI SYSTEMS INC.'s Japanese operation signed agreements with **two** makers of **network** utilities: HITACHI SOFTWARE ENGINEERING CO., LTD. and the local unit of NETWORK ASSOCIATES, INC. Austin, Texas-based Tivoli will create tight links between TME 10...

...customer base, MICROMUSE, INC. opened an office in Tokyo. The San Francisco firm's Netcool service-level management package has been warmly welcomed by network, **Internet** and telecommunications services providers as well as by corporations operating global intranets. The easy-to-install package is highly scalable and flexible, allowing managers to...

...technical and customer support efforts in the entire Asian region with Micromuse's existing Australian office. GANYMEDE SOFTWARE, INC. has given local distribution rights to **two** of its **network** performance packages to Tokyo-based TOYO CORP. Pegasus, which costs \$17,200, measures the end-to-end response time of networks, helping managers pinpoint problems... Fifteen customers and \$1.4 million in sales are the unit's first-year goals. Network monitoring software developer NETWORK FLIGHT RECORDER, INC. has appointed **INTERNET** INITIATIVE JAPAN INC., one of the country's oldest and biggest **Internet** service providers, as the first certified reseller of its products. IIJ plans not only to resell the Woodbine, Maryland firm's software, but use it...

15/3,K/15 (Item 5 from file: 636)  
DIALOG(R) File 636:Gale Group Newsletter DB(TM)  
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04014704 Supplier Number: 53212079 (USE FORMAT 7 FOR FULLTEXT)  
-NORTEL NETWORKS: Nortel and industry consortium partners complete first phase of API specification.

M2 Presswire, pNA  
Nov 12, 1998  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count:    848

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...NTL], and Siemens, announced today that they have completed the first phase of an application programming interface (API) specification that will accelerate the convergence of **Internet Protocol (IP )-based networks** and the Public Switched Telephone Network (PSTN). This API, referred to as the Parlay API, will provide a common open interface into any kind of...

...and resources; for example, a PC word processor uses an API to talk to a printer. The Parlay API will facilitate the seamless interworking of **Internet Protocol (IP )-based networks** and voice networks while maintaining their integrity, performance, and security. As such, it will stimulate a wide range of new services by giving information technology...

...intelligence of any kind of telecommunications network. These new services, such as integrated voice-data applications, will be crucial to the success of telecommunications and **Internet** service providers as their networks converge. "Because network service providers operate in an increasingly competitive marketplace due to deregulation, they are finding that it is...

...The framework interface allows network operators to define and provide controlled access to network resources by parties outside the network; for example, the framework includes **authentication** and **billing** capabilities to guard against malicious or unbilled use of network resources. The service interfaces contain specific information or instructions on how functions, such as call...

...one's talents to achieve success." In this case, the API specification that the Parlay consortium has developed uses the capabilities and intelligence resident in **multiple networks** and makes them more easily available to users and industry players worldwide. The Parlay Group, which announced its formation in May of this year, has...  
...second phase, work will focus on extending the functionality of the API. Nortel Networks works with customers worldwide to design, build, and deliver telephony and **IP -optimized networks** . Customers include public and private enterprises and institutions; **Internet** service providers; local, long-distance, cellular and PCS communications companies, cable television carriers, and utilities. Nortel Networks' common shares are listed on the New York...

15/3,K/16      (Item 6 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03876478      Supplier Number: 48464126      (USE FORMAT 7 FOR FULLTEXT)  
**Internet Telephony: Ericsson Pioneers New IP Telephony Services With Launch of Internet Telephony Solution for Carriers**  
EDGE, on & about AT&T, pN/A  
May 4, 1998  
Language: English      Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count:    361

... but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real Time **Billing** is provided with fraud prevention and a call duration advice with the

integrated voice response     ftware.

**15/3,K/17        (Item 7 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03873359     Supplier Number: 48455994    (USE FORMAT 7 FOR FULLTEXT)  
**Ericsson Teams With Delta Three For Net Telephony 04/30/98**  
Newsbytes, pN/A  
April 30, 1998  
Language: English     Record Type: Fulltext  
Document Type: Newswire; General Trade  
Word Count:    799

...        but stores the platform topology information, routing configuration and alarm information.

Other features included in the IPTC platform are least-cost routing, dynamic route allocation, **multiple IP networks** support, and the ability to handle **validated** and unvalidated traffic. Real-time **billing** is provided with fraud prevention and a call duration advice system with the integrated voice response software.

To launch IPTC globally, Ericsson has teamed up...

**15/3,K/18        (Item 8 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03681258     Supplier Number: 47938270    (USE FORMAT 7 FOR FULLTEXT)  
**Unwired Planet Introduces Web Browser For Wireless Handsets**  
Communications Today, pN/A  
August 28, 1997  
Language: English     Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count:    126

The micro-browser, distributed as embedded software, will be available to consumers free of **charge** , **allowing** them to access **Internet** e-mail and the **World Wide Web** , as well as to make use of corporate intranet applications. The technology operates on **multiple** wireless **networks** , including those based on cellular digital packet data standard and on the code division multiple access, global system for mobile communications and time division multiple...

18/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2001 Resp. DB Svcs. All rts. reserv.

02504825 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SINGAPORE TELECOMMUNICATIONS LTD - INTERCONNECT AGREEMENT**

(Singapore Telecommunications and StarHub have signed an interconnect agreement, allowing the conveyance of calls from one network to the other )

Asia Pulse, p n/a

July 01, 1999

DOCUMENT TYPE: Custom Wire (Southern & Eastern Asia)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 97

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

...today announced that the two companies have signed an interconnect agreement.

The agreement establishes the framework for the provision of interconnect related services between the **two** companies' **networks** so that calls can be conveyed from **one network** to the other. It also covers the interconnection capacity requirements and provisioning, inter-operator **billing** and **settlement** procedures, interworking specifications and testing, as well as the leasing of Local Loop.

Submitted by Chan Su Shan (Ms), Company Secretary on 30/06/1999...

18/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01931513 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**India Adopts Nationwide Cellular Roaming**

(The Department of Telecommunications (DOT) has granted permission to the cellular operators to offer automatic roaming facility to its subscribers )

Newsbytes News Network, p N/A

September 08, 1997

DOCUMENT TYPE: Journal ISSN: 0983-1592 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 485

(USE FORMAT 7 OR 9 FOR FULLTEXT)

**TEXT:**

...growth of cellular telephony in India, the Department of Telecommunications (DOT) has granted permission to the cellular operators to offer automatic roaming facility to its **subscribers**. This will enable a **cellular phone** subscriber to be accessed anywhere and anytime in the country on a single number. At present, the facility to contact the subscriber is available only...

...possible through the development of a powerful C-7 signalling network by the DOT. The 25-odd cellular operators in the country had already formed **two** consortia, World 1 **Network**, and Global Connect to provide national and international roaming services to subscribers. Welcoming the decision, T.V. Ramachandran, executive vice chairman, Cellular Operators Association of...

...fixed telephone will need to pay STD charges or ISD charges as the case may be. The called party pay this charge plus air time **charges**. There is an **authentication** procedure to ensure that the called party is interested in returning the call. Cellular operations in the country commenced with

the services being launch in...

18/3,K/3 (Item 3 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01891970

**Construction Begins on China's Fully Electronic Payments System  
(China starts first phase of fully electronic fiber optic computer network  
that will essentially cover the entire nation)**

American Banker Future Banking Supplement, v 1, n 4, p 13  
July 1997

DOCUMENT TYPE: Journal ISSN: 0002-7561 (United States)

LANGUAGE: English RECORD TYPE: Abstract

**ABSTRACT:**

...a fully electronic fiber optic computer network that will essentially cover the entire nation, unifying it electronically, and allowing the financial industry to operate like **one** bank. Zhong Yuan Financial Data **Network** Co, a private firm owned by the Ministry of Posts & Telecommunications, the People's Bank of China (PBC), and some other Chinese banks, is building...

...or 107% of gross domestic product. The system will cost around \$800 mil and link 400 cities. The first phase unites 35 cities, and the **second** will link 2000. The **network** will link China's High Value **Payments** System, a real-time gross **settlement** system; the Bulk Electronic **Payments** System, a net end-of-day settlement system; the government securities book-entry system; the bank card authorization system; the national Financial Management Information System...

18/3,K/4 (Item 4 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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01258393 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**House OKs Act rewrite**

**(The House passed its rewrite of the Communications Act of 1934, with a few amendments added which should prevent a presidential veto)**

Electronic Media, v 14, n 32, p 32+

August 07, 1995

DOCUMENT TYPE: Journal ISSN: 0745-0311 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 656

**ABSTRACT:**

...blocking technologies that do not require ratings in an attempt to avoid the v-chip requirement. The Rep Thomas Bliley (R-VA)-authored bill allows **one** company to own **two** broadcast **networks**, an unlimited number of radio stations, a VHF station, a UHF station, and the newspaper in a local market. Opponents of the bill claim that...

18/3,K/5 (Item 1 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

06902514

**MCI users strike back in wake of network failure**

SECTION TITLE: News

Sinead Carew, Network News UK

NEWSWIRE (VNU)

August 25, 1999

JOURNAL CODE: WNEW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 202



... use for every day the network was down. A CBOT spokeswoman said: "MCI left us and our 3,600 customers extremely frustrated. We've not **accepted** the offer of **compensation** and legal recourse is still under review, as is our relationship." Bernie Ebbers, president of MCI, apologised and admitted customer updates "didn't always meet..."

18/3,K/6 (Item 2 from file: 20)  
DIALOG(R)File 20:World Reporter  
(c) 2001 The Dialog Corporation. All rts. reserv.

06005901 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**SINGAPORE TELECOMMUNICATIONS LTD - INTERCONNECT AGREEMENT**  
ASIA PULSE  
July 01, 1999  
JOURNAL CODE: WAPL LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 97

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... companies' networks so that calls can be conveyed from one network to the other. It also covers the interconnection capacity requirements and provisioning, inter-operator **billing** and **settlement** procedures, interworking specifications and testing, as well as the leasing of Local Loop.

Submitted by Chan Su Shan (Ms), Company Secretary on 30/06/1999...

18/3,K/7 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04088443 Supplier Number: 53732533 (USE FORMAT 7 FOR FULLTEXT)  
**With A Touch Of Magic, NYCE Looks To Expand.**  
Debit Card News, pNA  
Jan 18, 1999  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1181

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

...costs through consolidations and diversifying their product offerings beyond transaction processing. The time is rapidly approaching when financial institutions building national brands will need only **one EFT network**, **network** executives predict. Greater shareholder participation in network decisions already is becoming part of the network-merger process, as in the case of the NYCE-Magic...

...Dooley, president and CEO of the Johnston, Iowa-based Shazam network, says he thinks network consolidation ultimately will lead to greater control over the electronic **payment -authorization** process by national banks. National banks can better promote their bank brands through super-regional networks to which they are financially and technically attached, says **One Corp.** that co-own **multiple networks** that suddenly are competing with one another. When NYCE and Magic Line merge, Bank One, as a significant shareholder in Magic Line, will take a...

18/3,K/8 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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03080204 Supplier Number: 46294026 (USE FORMAT 7 FOR FULLTEXT)  
**ZERGO: Open systems blocked by closed security solutions - Zergo charts way forward at Infosec '96**

M2 Presswire, pN/A  
April 10, 1996  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 612

... and management briefings.

2. Zergo's products include the Zergo GFX Firewall, Zergo Secure Architecture (ZSA) a security solution for financial applications (including High Value **Payment** systems, Real-Time Gross **Settlement** systems, Corporate Electronic Banking, Branch Security and Home Banking), Security Administration Manager (SAM) to manage access controls of **users** across **multi** -platforms, **Network** Encryption Systems (DES/RSA) Rambutan, for LAN and WAN networks, CG5000 very high speed cryptography security processing.

3. Zergo also offers a full range of...

18/3,K/9      (Item 3 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2001 The Gale Group. All rts. reserv.

02588916      Supplier Number: 45233410 (USE FORMAT 7 FOR FULLTEXT)

#### Roaming

Computer Fraud & Security Bulletin, pN/A  
Jan, 1995  
Language: English      Record Type: Fulltext  
Document Type: Newsletter; Trade  
Word Count: 409

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...roaming agreements with their counterparts in other countries to allow subscribers to use the same handset and phone number anywhere an agreement is in force. **Subscribers** to GSM **networks** can call many European countries, the Middle East and Far East countries and as far afield as Australia. Once the phone is turned on, the...

...credit vetting and the player with the lowest standard will expose his roaming partners in other countries. As service providers or network operators have to **settle** the calls by **payment** to their roaming partners, the difficulties involved in verifying whether a call was fraudulent have meant that revenues were being lost on airtime and real money had then to be paid out to **roaming** partners. Since the **network** operator does not know what his subscriber is doing in another country, he cannot easily verify if the call is fraudulent. Roaming and conference calls...

File 256:SoftBase:Reviews:Companies&Prods. 85-2001/Jul

(c)2001 Info.Sources Inc

File 278:Microcomputer Software Guide 2001/Jul

(c) 2001 Reed Elsevier Inc.

Set	Items	Description
S1	29206	NETWORK?(NOT 5N) (IP OR INTERNET) OR (TELECOM OR TELECOMMUN- ICATION? OR WIRELESS OR MOBILE OR GSM OR CELLULAR OR RADIOPHO- NE?) (3N) (SYSTEM? ? OR TELEPHON? OR PHONE? ?)
S2	2197	(FIRST OR 1ST OR ONE OR ORIGINA? OR HOME OR USER? ? OR SUB- SCRIBER? OR CALLER? ? OR CALLING() (PARTY OR PARTIES) OR CUSTO- MER? ? OR SHOPPER?) (5W) (S1 OR PSTN? ? OR POTS)
S3	342	(SECOND? OR 2ND OR INTERMEDIAT? OR MIDDLE? OR ROAM? OR INT- ERMEDIAR?) (5W) S1
S4	447	(MULTI OR MULTIPLE OR PLURAL? OR TWO OR SECOND) (3W) NETWORK- ? (NOT 5N) (IP OR INTERNET)
S5	28061	(PACKET OR IP OR ISP) (2W) NETWORK? OR INTERNET? OR (WORLDWI- DE OR WORLD() WIDE) (2W) WEB OR EXTRANET?
S6	34191	AUTHORI? OR ALLOW? OR VALIDAT? OR VERIF? OR PERMIT? OR AUT- HENTICAT? OR ACCEPT? OR APPROV? OR SETTLE? OR SETTLING
S7	489	S6 (5N) (PAYMENT? OR PAYING OR CHARGE OR CHARGES OR COMPENSA- TION OR BILLING OR (BILL OR BILLS) (NOT 5N) (HOUSE OR LEGISTAT? OR LEGAL OR CONGRESS OR REPRESENTATIVES OR CLINTON OR SENATE - OR GATES OR HR))
S8	0	S2 AND S3 AND S5 AND S7
S9	0	S2 AND (S3 OR S4) AND S5 AND S7
S10	0	(S3 OR S4) AND S5 AND S7
S11	0	S2 AND (S3 OR S4) AND S7
S12	0	(S3 OR S4) AND S7
?		